

# LEHIGH ALUMNI BULLETIN

DECEMBER  
1927



# CONSTRUCTION and PLANT MAINTENANCE ENGINEERS



Specify and Insist on

*Galvanum*  
FOR GALVANIZED IRON  
TRADE MARK

for all Galvanized Iron Painting

*—the only paint that sticks to Galvanized  
Iron without preliminary treatment.*

Galvanum Paint is the only protective coating that can be applied directly to galvanized iron and that will *stick*. It needs no preliminary acid treatment to take off the zinc. It requires no priming coats, or weathering or acid wash. All unnecessary costs are eliminated. Galvanum Paint therefore is lowest in cost of application.

Galvanum Paint lasts from 7 to 15 years and gives perfect protection all the time. This has been proved under every sort of treatment. Galvanum Paint has successfully withstood the severest and most trying tests.



Galvanum is equally successful on new as well as old galvanized iron which has been previously painted. Supplied in a wide range of attractive shades and special colors; for spray as well as brush application.

## Thirty-Nine Years of Paint Engineering Service

Goheen Paint Engineers have, since 1888, perfected a series of scientific, specific purpose paints designed to meet the special requirements of the large industrials, public utilities, railroads and mining interests, for every exterior and interior service. When you specify or requisition Goheen Paints, you are assured of quality plus engineering service, controlled by experts from the raw material to the finished product.

# GOHEEN CORPORATION

OF NEW JERSEY

NEWARK, N. J., U. S. A.

Paint Engineers Since 1888

A Standard Paint for Every Purpose





MACHINE SHOP AND FOUNDRY  
INDUSTRIAL WORKS, BAY CITY, MICH.

# McClintic=Marshall Company

Manufacturers and Erectors of

## STEEL BRIDGES, BUILDINGS AND OTHER STEEL STRUCTURES

### GENERAL OFFICE

OLIVER BUILDING, PITTSBURGH, PA.

### BRANCH OFFICES

NEW YORK  
PHILADELPHIA  
CHICAGO

BALTIMORE  
BOSTON  
CLEVELAND

CINCINNATI  
DETROIT  
LOS ANGELES

### PLANTS

PITTSBURGH    POTTSTOWN, PA.    CHICAGO    LOS ANGELES

C. D. MARSHALL, '88, President

H. H. McCLINTIC, '88, Vice-President

R. W. KNIGHT, '94  
G. R. ENSCOE, '96  
C. M. DENISE, '98  
T. L. CANNON, '03  
E. F. GOHL, '07

F. U. KENNEDY, '07  
R. MacMINN, '07  
L. A. WALKER, '08  
G. A. CAFFALL, '10  
LESLIE ALLEN, '16

W. A. CANNON, '16  
J. N. MARSHALL, '20  
J. H. WAGNER, '20  
G. L. GAISER, '22



# THE DRAVO CONTRACTING COMPANY

PITTSBURGH

**DIFFICULT FOUNDATIONS, RIVER and HARBOR IMPROVE-  
MENT, BRIDGE PIERS and DAMS, MINING PLANT  
CONSTRUCTION, SHAFTS, SLOPES and TUNNELS**

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87

R. M. DRAVO, '89

J. D. BERG, '05

E. T. GOTT, '06

L. C. ZOLLINGER, '09

V. B. EDWARDS, '12

GEORGE F. WOLFE, '14

E. M. ENSLIN, '22

F. J. LLOYD, '22

B. E. RHOADS, JR., '22

A. L. BAYLES, '25

JOSEPH B. WALKER, '25

## DRAVO-DOYLE COMPANY

CLEVELAND

INDIANAPOLIS

PITTSBURGH

PHILADELPHIA

**STEAM, ELECTRIC and HYDRAULIC EQUIPMENT, WATER  
WORKS INSTALLATIONS, COMPLETE POWER PLANTS**

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87

R. M. DRAVO, '89

S. P. FELIX, '03

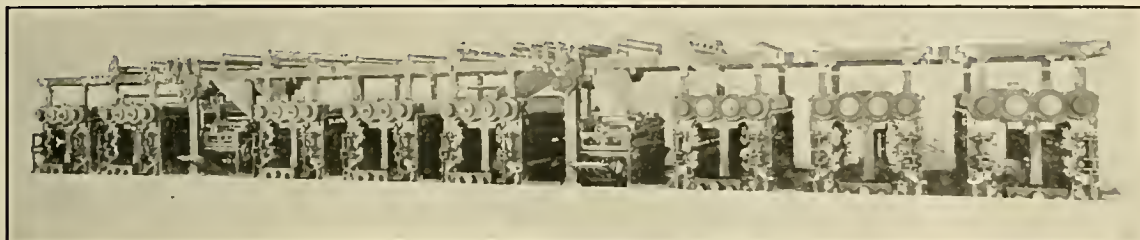
J. D. BERG, '05

W. P. BERG, '15

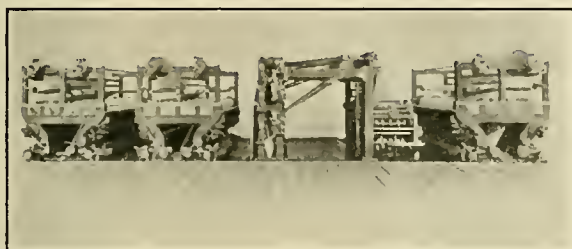
E. W. ESTES, '20

# A Duplex Press for Every Newspaper

THE ONLY COMPLETE LINE OF WEB PRESSES OFFERED TO NEWSPAPER PUBLISHERS



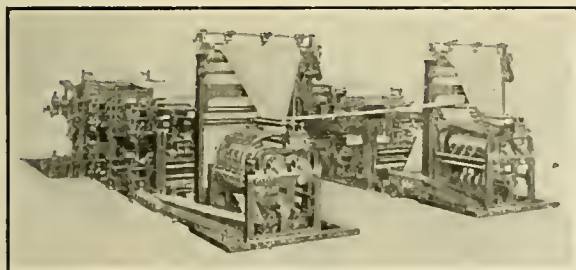
Duplex Metropolitan Super Duty Interchangeable Unit Press. Double Octuple.



Unit Type Sextuple. Rolls positioned over printing unit—shortest possible web lead from roll to impression. Also built as Quadruple, Octuple, Decuple, etc.



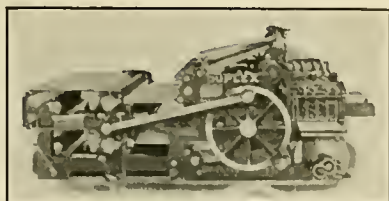
Metropolitan Heavy Duty Tubular Plate Press. Forty pages from forty plates, delivered at full speed.



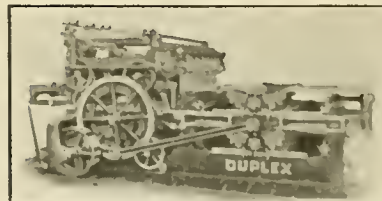
Twinned Tubular Plate Presses. One plate only for each page and all page increments by twos.



Duplex Tubular Plate Press. Furnished as 8, 12, 16, 20 or 24 page machine. May be arranged for multiple color work if desired.



Model "A". An 8 page flat bed web press for the weekly or small daily paper. Two of these presses may be coupled together, producing a 16, 12, 14, or 10 page paper.



High Speed Flat Bed Web Perfecting Press. Prints 2, 4, 6, or 8 pages. The page capacity may be doubled if desired, by twinning.

## The Duplex Printing Press Company

ESTABLISHED 1884

WORKS—BATTLE CREEK, MICHIGAN

— Office —  
Sales and Stock Room  
World Building  
New York

Marcus M. Farley, '06  
Secretary

# The Lehigh Coal and Navigation Company

437 CHESTNUT STREET  
PHILADELPHIA, PA.

---

---

Miners of Old Company's Lehigh Coal Since 1820

---

---

SAMUEL D. WARRINER, '90, President

## ANTHRACITE and BITUMINOUS COAL

Alan C. Dodson, '00  
T. M. Dodson, '00  
G. R. Radford, '84



C. S. Kenney, '10  
H. B. Tinges, '12  
E. L. Walters, '26

GENERAL OFFICES,

BETHLEHEM, PA.



### ECONOMY BEGINS AT THE COAL PILE

Plants using coal cleaned by the PNEUMO-GRAVITY PROCESS, find that economy is effected from the start. This process eliminates entirely the old hand-picking operation, replacing it with a full mechanical operation which removes, with consistent uniformity, slate, bone and other impurities to a degree not heretofore practicable in commercial use. It uses no water—no excess freight charge results. The process handles anything from the finest slack up to three inch lump.

Try a car of PNEUMO-GRAVITY Cleaned Coal—and watch your cost curve drop.

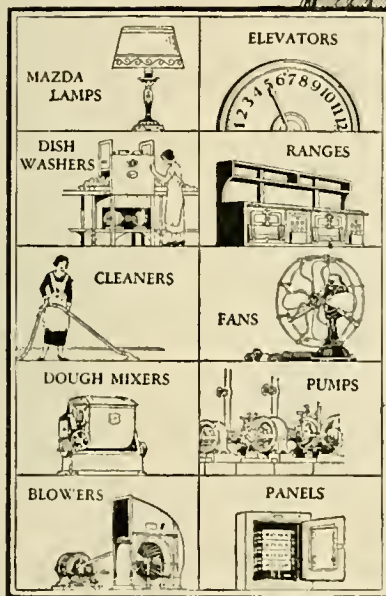
### PEALE, PEACOCK & KERR

Graybar Bldg.  
New York

North American Bldg.  
Philadelphia, Pa.

Operating Offices: St. Benedict, Pa., Cambria Co.





In the modern hotel, electrical service includes lighting, elevators, fans, signal systems, coal-handling, pumping systems, laundry, vacuum cleaners, cooking, dish washing, ice cream freezers, vegetable parers, meat grinders, dough mixers, barber's apparatus, and ventilating equipment.



You will find this monogram on many electric devices used in the modern hotel.

## Hundreds of Motors at your service

ONE hundred and eighty-seven million people registered at hotels in this country last year. One hundred and eighty-eight million people expecting modern comfort.

What a diversity of service these figures represent; a personal service rendered by hundreds of thousands of men and women. Back of them, carrying the physical load, making this service possible is—electricity.

Electric lights add comfort and convenience. Electric laundry equipment cleanses and sterilizes the linen. Electric elevators carry guests quickly and comfortably to their rooms. And in hundreds of other ways electricity makes modern service possible.

Only two and a half cents of the guest's dollar is needed to pay for this tireless servant. And how much this small amount of money accomplishes!

# GENERAL ELECTRIC

201-58B

*This advertisement will appear in Collier's, November 26th, and is in the November issues of National Geographic, World's Work, Mentor, and American Federationist.*



## OFFICIAL DIRECTORY ALUMNI ASSOCIATION LEHIGH UNIVERSITY, INC.

President: Frank R. Dravo, '87, 300 Penn Ave., Pittsburgh, Pa.

Vice-President: Walton Forstall, '91, Broad and Arch Sts., Philadelphia, Pa.

Vice-President: W. L. Estes, Jr., '05, Bethlehem, Pa.

Treasurer: Robert S. Taylor, '95, First National Bank, Bethlehem, Pa.

Secretary: Walter R. Okeson, '95, Alumni Memorial Building, Bethlehem, Pa.

Archivist: J. S. Long, '14, Lehigh University, Bethlehem, Pa.

## HONORARY ALUMNI TRUSTEES

Aubrey Weymouth, 101 Park Avenue, New York City.

A. C. Dodson, care of Weston Dodson Co., Bethlehem, Pa.

H. D. Wilson, 1409 Union Bank Bldg., Pittsburgh, Pa.

H. H. McClintic, McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa.

Clarence W. Hudson, 15 Park Row, New York City.

James Ward Packard, Warren, Ohio.

## ALUMNI MEMBERS ATHLETIC COMMITTEE

Walter R. Okeson, '95 (To June, 1928).

M. L. Jacobs, '10 (To June, 1929).

D. M. Petty, '09 (To June, 1930).

J. A. Frick, '03 (To June, 1931).

## JOINT ENDOWMENT COMMITTEE

E. G. Crace, Honorary Chairman.

W. C. Dickerman, Executive Chairman.

A. Weymouth, Vice-Chairman.

H. S. Drinker.

C. D. Marshall.

F. R. Dravo.

C. W. Hudson.

F. Baker, Jr.

H. D. Wilson.

W. R. Okeson, Campaign Manager.

## LEHIGH ALUMNI CLUBS

## Chicago Lehigh Club

Pres., D. M. Flick, '11

Sec., H. W. Kern, '92, 179 W. Washington St., Chicago, Ill.

## Detroit Lehigh Club

Pres., S. P. Hess, '10

V.-P., George Hain, '09

Sec. and Treas., R. M. Neff, '14, Detroit Steel Products Co., Detroit, Mich.

## Lehigh Club of Central Pa.

Sec., H. I. Tripp, '10, Camp Hill, Pa.

## Lehigh Club of China

Pres., Yen Te Ching, '01, Peking, China

## Lehigh Club of Cuba

Pres., Conradi E. Martinez, '01, Principe 27, Havana, Cuba

## Lehigh Club of New England

Pres., L. A. Olney, '96

Sec., A. D. Bach, '17, 39 Bemis St., Newtonville, Mass.

## Lehigh Club of Northern N. Y.

Pres., J. D. Alrich, '22

Sec., F. C. Brockman, '15, 81 Robinson St., Schenectady, N. Y.

## Lehigh Club of Northern Ohio

Pres., Martin Schmlid, '07

Sec., R. W. Kempsmith, '11, 2008 Union Trust Bldg., Cleveland, Ohio

## Lehigh Club of Southern New England

Pres., C. H. Veeder, '86

Sec., J. W. Thurston, '96, 168 N. Quaker Lane, Hartford, Conn.

## Lehigh Club of Western New York

Pres., C. Denlinger, '06

1st V.-P., J. P. Kelly, '02

2nd V.-P., L. Tremaine, '24

Sec. and Treas., J. F. Rogers, '24, 16 Clarandon Place, Buffalo, N. Y.

## Lehigh Home Club

Pres., V. J. Pazzetti, '15

V.-P., A. J. Standing, '10

Sec.-Treas., J. Cullen Ganey, '20, E. P. Wilbur Trust Co. Bldg., Bethlehem, Pa.

## Lehigh Club of N. Y., Inc.

Pres., C. H. Boynton, '89

Sec.-Treas., M. Mizel, '18, 2768 Ocean Ave., Brooklyn

## Northeast Pa. Lehigh Club

Pres., C. A. Straw, '93

1st V.-P., G. E. Shepherd, '95

2nd V.-P., A. D. MacFarlane, '04

Sec. and Treas., G. H. Bingham, '10, Dunmore, Pa.

Asst. Sec., E. J. Garra, '25, and H. D. Ginder, '19.

## Northern California Lehigh Club

Pres., Dr. Richard H. Tucker, '79

Sec.-Treas., John D. McPherson, Jr., '23, 2576 Washington St., San Francisco, Cal.

## Lehigh University Club of Philadelphia

Pres., E. G. Steinmetz, '95

1st V.-P., N. E. Funk, '05

2nd V.-P., C. F. Lincoln, '11

Sec. and Treas., Moriz Bernstein, '96, 2130 E Staugh St., Philadelphia, Pa.

Asst. Sec., J. J. Shipherd, '21

## Pittsburgh Lehigh Club

Pres., Frank B. Bell, '98

V.-P., T. M. Girdler, '01

Sec., Edward Stotz, Jr., '20, 801 Bessemer Bldg., Sixth St., Pittsburgh, Pa.

## Southern Anthracite Lehigh Club

Pres., J. H. Pierce, '10

Sec., Ray B. Serfass, '09, 308 Schuylkill Trust Bldg., Pottsville, Pa.

## Washington Lehigh Club

Pres., Asa Phillips, '90

Sec., R. B. Swope, '10, Southern Oxygen Co., South Washington, Va.

## Maryland Lehigh Club

Pres., W. Frank Roberts, '02

Sec., A. J. Kutzleb, '13, Manhattan Rubber Mfg. Co., 208 W. Pratt St., Baltimore, Md.

## Lehigh University Club of South Eastern Pennsylvania

Pres., E. A. Quier, '91

Sec.-Treas., R. W. Kinsey, 723 N. 5th St., Reading, Pa.

## Lehigh University Club of Trenton

Pres., J. H. Pennington, '97

Sec., E. L. Robinson, '24, 2 S. Clinton Ave., Trenton, N. J.

## Lehigh University Club of York, Pa.

Pres., J. L. Rosenmiller, '19

V.-P., William H. Myers, '03

Sec. and Treas., Samuel H. Shipley, '22, 639 Linden Ave., York, Pa.

## Lehigh Club of Northern New Jersey

Pres., David Green, '22

Sec. and Treas., Fred H. Samuels, '25, 635 High St., Newark, N. J.

## ALUMNI FUND AGENTS

## Classes

Year	Agent
1873.....	W. M. Scudder
1874.....	C. W. Haines
1875.....	J. H. Evans
1876.....	W. L. Raeder
1877.....	H. S. Jacoby
1878.....	H. F. J. Porter
1879.....	F. W. Sargent

Year	Agent
1880.....	J. T. Reese
1881.....	T. M. Eynon
1882.....	E. H. Lawall
1883.....	A. E. Forstall
1884.....	A. Parker-Smith
1885.....	H. O. Jones
1886.....	C. H. Veeder
1887.....	C. A. Buck
1888.....	H. H. McClintic
1889.....	C. W. Hudson
1890.....	H. A. Foering
1891.....	W. Forstall
1892.....	H. H. Davis
1893.....	J. Taylor
1894.....	A. Weymouth
1895.....	R. S. Taylor
1896.....	J. deB. Amador
1897.....	J. H. Pennington
1898.....	L. S. Horner
1899.....	A. W. Klein
1900.....	E. A. Yellis
1901.....	E. T. Murphy
1902.....	A. A. Diefenderfer
1903.....	S. P. Felix
1904.....	F. P. Sinn
1905.....	W. H. Lesser
1906.....	S. J. Cort
1907.....	Raymond Walters
1908.....	G. R. Brothers
1909.....	S. R. Schealer
1910.....	M. L. Jacobs
1911.....	A. P. Spooner
1912.....	Morton Sultzter
1913.....	R. T. Dynan
1914.....	W. A. Schrempel
1915.....	C. E. Stebecker
1916.....	E. J. Clement
1917.....	A. Bach
1918.....	A. E. Buchanan, Jr.
1919.....	H. D. Ginder
1920.....	Mercer Tate, Jr.
1921.....	J. L. Bevan
1922.....	S. Cottrell
1923.....	A. W. Hicks, Jr.
1924.....	J. F. Rogers
1925.....	A. L. Ravles
1926.....	Davitt S. Bell

## Clubs

Washington Lehigh Club	R. B. Swope, '10
Southern Anthracite Lehigh Club	H. E. Atkins, '91
Pittsburgh Lehigh Club	F. R. Dravo, '87; H. D. Wilson, '01
Lehigh University Club of Philadelphia	E. G. Steinmetz, '95; S. P. Felix, '03
Northeast Penna. Lehigh Club	G. H. Bingham, '10; H. H. Otto, '12
Lehigh Club of New York, Inc.	F. E. Galbraith, '11; G. K. Bishop, '17
Maryland Lehigh Club	G. A. Dornin, '96
Lehigh Home Club	V. J. Pazzetti, '13; W. A. Shrempel, '14
Lehigh Club of Western N. Y.	H. W. Baldwin, '96
Lehigh Club of Southern New England	C. H. Veeder, '86
Lehigh Club of Northern Ohio	R. W. Kempsmith, '11
Lehigh Club of Northern New York	John Anderson, '10
Lehigh Club of New England	L. A. Olney, '96
Lehigh Club of Central Penna.	J. W. Stair, '06, York
	T. B. Wood, '98, Chambersburg
	H. I. Tripp, '10, Harrisburg
	H. H. Beck, '96, Lancaster
Detroit Lehigh Club	R. M. Neff, '14
Chicago Lehigh Club	L. G. Mudge, '15



# LEHIGH ALUMNI BULLETIN

*Published Monthly, October to July, inclusive, by the Alumni Association, Alumni Memorial Building, Bethlehem, Penna.*

*Printed by Times Publishing Co., Bethlehem, Pa.*

*Subscription Price, \$2.00 a Year*

*Member of Intercollegiate Alumni Extension Service*

*Entered as second-class matter at Bethlehem, Penna., Post-office*

WALTER R. OKESON, *Editor*

JOHN W. MAXWELL, *Asst. Editor*

VOLUME 15

DECEMBER, 1927

NUMBER 3

**THE ANSWER** A letter arrived in my mail a week or so ago asking that instead of writing articles about the football team I give a plain answer as to what is wrong with Lehigh football. The writer said, "You must know what the trouble is. Why not be frank and tell us?"

This is an easy question to ask and a hard one to answer. Cornell is asking the same question. So is Brown. So is Rutgers. In fact many colleges who have had a poor season or several poor seasons are seeking the answer. Unfortunately it is seldom that the trouble is so simple and self-evident that you can put your finger right on it and say definitely and surely, "Here it is."

However, I am quite willing to give you my opinion for what it is worth. I don't claim that I am right. But the chances are that some of my reactions are correct for I have followed football too long to miss the target altogether.

First let us recognize one fact that is generally completely overlooked. Lehigh has only had two periods in her history when her football teams remained strong over a sequence of years. Those two periods were from 1887 to 1895 and from 1912 to 1917. There were a few other years in which we had good teams but they were sandwiched in between long lean periods. Once in '02 and '03 we had good teams for two successive years but this is the only time that this happened other than in the two sequences first mentioned.

Now let us analyze why we had these times of plenty and perhaps we can discover what is wrong at present. In each of these periods we find we had a lot of big husky material. From 1887 to 1893 Lehigh was growing rapidly and, being one of the few engineering schools then available, attracted a number of men older and more mature than the ordinary run of college boys. There was no tuition charged so that helped to attract students. Finally we were one of the first colleges to secure professional coaches and were lucky enough to get some good ones. We had high enthusiasm, good material and excellent coaching.

In the second period we were again growing rapidly but in addition financial inducements covering tuition and living expenses were offered to boys who had athletic ability. This brought in material considerably above the average that would naturally gravitate to a college of our size. Our eligibility rules were none too

strict and when they interfered with the use of a player they were apt to be consigned to the waste-basket. Scholastic standards, at least as applied to the athlete, were less rigidly applied than had been the case in earlier years. Keady was a good coach and a strict disciplinarian. The college tasted victory over Lafayette in 1912 for the first time since 1908 and for the second time since 1903 and wild enthusiasm was the result. Again we had, as in the first period, high enthusiasm, good material and excellent coaching.

Those three ingredients seem to be the ones needed to bake a good football pie. For the past six years they have not been notably present and for the past two years rather notably absent. It is easy to account for the lack of enthusiasm. That is merely the result of too much defeat and we cannot expect to get it back in any great degree until we begin to win victories. Therefore we must come to the victory stage by means of the other two ingredients and stir in the enthusiasm as it is aroused.

Why have we had poor coaching? When Tom Keady left us we were hard put to it to get a coach, but lucky enough to get a good one in Frank Glick. Professor Reiter had set his heart on securing Jim Baldwin but as Baldwin had a year's contract at Trinity he acquiesced in Glick's appointment. At the end of the season however, he fought his reappointment and finally swung the majority of the Board to his way of thinking. Glick was allowed to go and Baldwin was appointed on a three-year contract. Baldwin knew football but lacked personal magnetism and during his three years the alumni and many of the students were against him and did not give him the cooperation a coach should have. During his last year we took a terrible beating from the Alumni over the coaching and it was demanded that we get a coach of established reputation with a record of achievement behind him. We did so and had to sign another three-year contract to get him. Wendell made a good start, but the death of Charlie Prior about the middle of his first season, seemed to take the starch out of him and from that time on our football team went steadily down grade. Wendell lacked the necessary qualities to make an up-hill fight and things went from bad to worse. More than anyone else, I am to blame for this choice as I had a lot to do with the hiring of Wendell. While we have no desire to shirk any responsibility, neither "Bosey" nor

myself are keen to do any further picking of coaches and the committee charged with nominating a new coach does not include either Professor Reiter or myself, we having proved that we are both poor pickers. However, give us credit for being good once. "Bosey" picked Tom Keady and I picked Frank Glick. If we had both rested on our laurels there would have never been any fault to find with the coaching.

So much for that item. Now as to the material. New scholastic standards wiped out a lot of players. New eligibility rules erased others, cessation of financial inducements choked up a big channel of supply. The old system was forcibly broken down and it was hard, almost impossible, to get cooperation in building up a system which would recognize and conform to our new standards, mainly because the devotees of the old system maintained that it was impossible to get and keep football material without paying for it both with money and special scholastic favors. They further claimed the administration and faculty were against football and were trying to wipe it out.

It is no use trying to buck against such absurdity. You just have to plug along doing your best and awaiting for time to open the eyes of those who deliberately close them to the truth. But it has been a tough two years for all of us who are really trying to rebuild Lehigh football on a sound foundation. This year's Freshman team with its string of victories has been a revelation to those who said football material would not come to Lehigh unless it was bought. Equally good and better material can be secured each year if the advantages of Lehigh are brought home to the boys in the prep and high schools. Our standards of entrance, of graduation, of eligibility, are no harder or higher than those of other colleges of the first grade. For poor boys we have scholarships available. If alumni want to help a boy through Lehigh they can do so without rendering him ineligible by following the method prescribed by the Trustees. That is to say any alumnus, group of alumni, or Alumni Club can create a scholarship of any size they desire. They must place the amount necessary to cover the four college years in the hands of the University. Then they can nominate a boy for this scholarship and if the University decides that he measures up to her requirements he will get the scholarship. If he does not measure up then the scholarship remains open until a candidate is proposed by the founder (or founders) who meets the University's standards. What could be fairer than that? What's the use of sending him here unless he is the type who can stay?

That brings me squarely up to the largest single reason for our continued lack of success in football during the past eight years, namely, the fact that each year a big proportion of our team departs by the flunk-out route. We have been trying for years to make teams out of green men because before they get proper experience they are gone. Dr. Richards warned us a

year ago that we must organize to stop this and assured us of the support of the administration and faculty in any effort put forth to try and make these boys do the small amount of work necessary to stay in college. Half the work they will have to do to hold a job after they get out is sufficient to keep them in good standing. We did try to put a system into effect last year but it failed because the coach, who was supposed to head up this work, fell down on his job. This year we have created a permanent organization and intend to enlist faculty, undergraduates and alumni in a joint effort to correct this defect. We have a fine lot of material in the Freshman and Sophomore classes and a fair amount in the Junior class. We intend to hold it if it is humanly possible and start next year with a new coach (pray Heaven he is a good one) and some real material for him to work with.

\* \* \*

**A LETTER FROM PETAIN** With his usual thoroughness, Dr. Drinker is carrying to success the collection of a Lehigh Fund to be used to complete the Verdun Memorial, built in memory of that vast host who gave their lives in a defense which saved the Allies from almost certain defeat.

The response from our alumni to the appeal of the Lehigh Committee encourages them to feel that our contribution towards this impressive monument will be properly comparable to the record Lehigh men made in the late war. You will all be interested in the following letter, written to Dr. Drinker by Marshall Petain, who led in the defense of Verdun. Professor Fox was good enough to translate it for me, for although I "took" French at Lehigh I am afraid it did not "take" if you get what I mean.

Monsieur Drinker,  
Lehigh University,  
Bethlehem, Pa.

Colonel G. W. Wickersham, President of the American Committee, tells me that you have been good enough to consent to organize a committee among the graduates of Lehigh University with the object of helping us obtain a contribution for the erection of the central tower of the Monument and Ossuary of Douaumont in memory of the Allied defenders of Verdun.

I wish to express to you personally, to you and to the members of your Committee, my thanks and those of the French Committee, for this intermediation, as well as my hope for the success of your Committee in obtaining important contributions to the furtherance of this noble cause.

You may be assured that we highly appreciate all the help that can be given us by the alumni of your great University.

Believe me yours very sincerely,

PETAIN,

Marshall of France.

Dr. Drinker is sailing for Bermuda early in January and is desirous of completing his work and turning in



Lehigh's contribution before he leaves. Therefore if you are interested you should send your check at once to Dr. H. S. Drinker, Merion Station, Montgomery County, Pa. The Doctor wants a number of one dollar contributions so that lets us all in. It certainly would be fine if we could have as many contributions as we had men in service.

\* \* \*

#### A FEW QUOTATIONS

My mail this fall has been full of newspaper clippings. Many of them amusing and all of them interesting. Because I agreed to help a dozen of the prominent Eastern colleges try out an experiment, someone dubbed me the "Czar of Football." That made good copy and my picture went out in "boiler-plate" stuff to all the small town newspapers and back again came the clippings from my alumni friends scattered all over the United States. The funniest one was from the *Santa Fe New Mexican*, under a scare head line, "Ten Eastern Teams Mobilize under Czar Okeson." The reading matter under the picture, which consisted of "Tad" Jones, Frank Cavanaugh, "Lew" Andreas and myself all grouped around a football depicted like a rising sun, informed the startled world, among other things, that I was the Lehigh coach. So now you all know what's the matter with the Lehigh team.

Then here is an interesting one, an editorial from the *New York Tribune* headed "Football Coaches." The editorial claims that football should be a game rather than a business and goes on to say, "The Lehigh teams which have lost more frequently than they have won command more respect than other teams which have turned football into a business proposition." Thanks for the compliment, dear *Tribune*, but couldn't you think up one that wouldn't make us lick our sores?

Then here is a real sassy one from the *Easton Express*:

"Lehigh has adopted and is enforcing a policy that is bringing ruin to a traditional rivalry cherished in the Lehigh Valley for more than forty years; cherished by generations of Lafayette and Lehigh alumni, but which is now in a decline, gradually becoming extinct.

"In short, Lehigh authorities have refused to permit alumni to send boys through college; poor boys with athletic ability to play football. The policy is permitted at Lafayette and most other institutions in the land, including many that have considerably larger enrollments and are better known than the local institution.

"If Lehigh is right, then Lafayette and others are wrong. And if Lafayette is wrong, every victory won by the locals in the past ten or fifteen years is tainted.

"Lafayette authorities and Eastonians—alumni and followers of the Leopards, want to see the game continued, but under conditions that prevailed until a few years back.

"There is no desire here to hog all the glory from a Lafayette-Lehigh game, unless the chances of victory are somewhere near equal. There's no glory for Lafa-

yette in beating Lehigh teams of the standards of the past few years.

"If Lehigh insists on her present policy then the game should be played earlier, on the first date of the schedule. They should no longer ask for or expect the choice attraction on the end of the season's program."

That's a hot one right off the griddle. For curiosity's sake I would like the gentleman writing it to name the other colleges with "considerable larger enrollments" who permit their alumni to "send boys through college; poor boys with athletic ability to play football." Most of the large colleges and all reputable colleges of any size are doing their best to discourage this practice. It is to put a stop to this practice that all the complicated eligibility codes have been adopted. It was one of the stringent rules framed at Yale to prevent, if possible, her alumni from doing this very thing that caused the downfall of Caldwell. The gentleman writing the article quoted is certainly naive, for he quite evidently believes himself correct. It would be interesting to know if that is the general state of mind in Easton.

Then here is a nice bouquet in the *Boston Herald* about the Lehigh Band. In an interview with Dan Kelly, the Assistant Director of Physical Education at Harvard, the story of the Holy Cross-Lehigh tie game, played several years ago, is re-told. He tells about the "splendid Lehigh band of 79 pieces specially drilled for the occasion, winning much applause." Thanks, Dan, both for the compliment and for twenty or thirty extra instruments you added to our band.

A funny one is from the *Philadelphia Record*, jovially "panning" our old friend Cranmer, Superintendent of Grounds, for arresting a couple of representatives of the *Record* who were distributing to the students free copies of their paper containing an article about our team. The boys promptly tore out the page featuring this article and deposited the rest of the paper on the campus. So Cranmer arrested the distributors but the Court said, "This is the most impossible arrest I ever heard of. Discharged." The *Record* very decently took the matter as a joke but frankly it seems to me that a great lack of good judgment was shown in according such treatment to one of our friends, the *Philadelphia Record*.

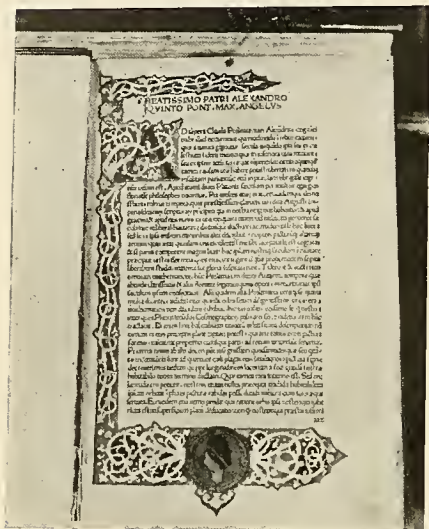
But the nicest one of all was the clipping that told of a chap in New York, broadcasting over WEAU, who informed the waiting world that if they are looking for an engineering education the place for them to go is Lehigh. To tell the honest truth, he did mention two other colleges and say that for the best engineering education a man must choose one of these three. However I refuse to name the other two. Why give them any free publicity? Anyway the only reason for going to them would be because you couldn't get into Lehigh.

There are lots more in the folder but it is twelve o'clock (By golly! It's half-past twelve!) and you are tired and I am sleepy, so—Good Night!



## THE TREASURES OF LEHIGH'S LIBRARY

Large Number of Very Rare Books One of the Reasons Why Lehigh's Library Stands High Among College Libraries—Librarian Leach Gives Interesting Facts on Its Development and "Treasures" Dating Back Several Centuries



Ptolemy's Cosmographia, 1475

ONE of the leading college libraries in the country for an institution the size of Lehigh is the glowing compliment often paid our library.

It is rated by authorities as next to the leading collegiate library in the Keystone State, which is quite a boost when the list of higher educational institutions in this State is surveyed.

One of the reasons why Lehigh's library is a leader in its field is the large number of rare works dating back some three or four hundred years. Many of these have few duplicates in existence and are valued in the thousands by book experts. A few antedate the invention

of printing and are done in their entirety by hand.

Howard S. Leach, the librarian, gives here a few facts relative to the history and scope of the library. He also cites some interesting facts about a few of its outstanding treasures, illustrations of which appear on these pages.

The Lehigh Library is an interesting one in a number of respects. Founded in 1877-78 by the founder of the University, Asa Packer, it started out on its career under very favorable conditions. Its founder not only put up what was then a very fine and adequate building for a college of 350 to 400 students, but also endowed the library with a half million dollars. This endowment was one of the largest of any of the colleges in the country at the time and Lehigh was known for some years both at home and abroad as the American University with lots of money for its library. As a consequence private persons and dealers having interesting books for sale got in the habit of thinking of Lehigh as a purchaser.

The first director of the library, Dr. Wm. Chandler, evidently had a taste for interesting and unusual books and felt himself justified, with so large an endowment, in starting out with the assumption that Lehigh should have a library of universal interest. Accordingly he bought widely in all fields of knowledge, apparently always keeping in mind the idea that the library should be a *great* library, not only serving its immediate clientele, but should be one to which scholars would be attracted from outside the university because of the richness of its collections.

During the first ten years 60,000 volumes were added to the library. Whenever a sale took place in which books of unusual interest were offered, Dr. Chandler was able to purchase through an agent or direct, such books as he believed to be of permanent value. Sometimes whole collections were bought and incorporated as a part of the library. It is due largely to the wisdom of Dr. Chandler and his assistants that the library at Lehigh contains so much that we can be proud of and so much that is of permanent value.

Everybody knows the story of the loss of endowment through the upheaval in the stock of the Lehigh Valley Railroad but perhaps it would be of interest to say that in the years from 1888 to the present we have added volumes enough to bring the present number of books and pamphlets to about 178,000 volumes. At the present time between 5,000 and 6,000 volumes are being added annually and consist largely of current material useful for undergraduate work, collateral reading and to some extent, research.

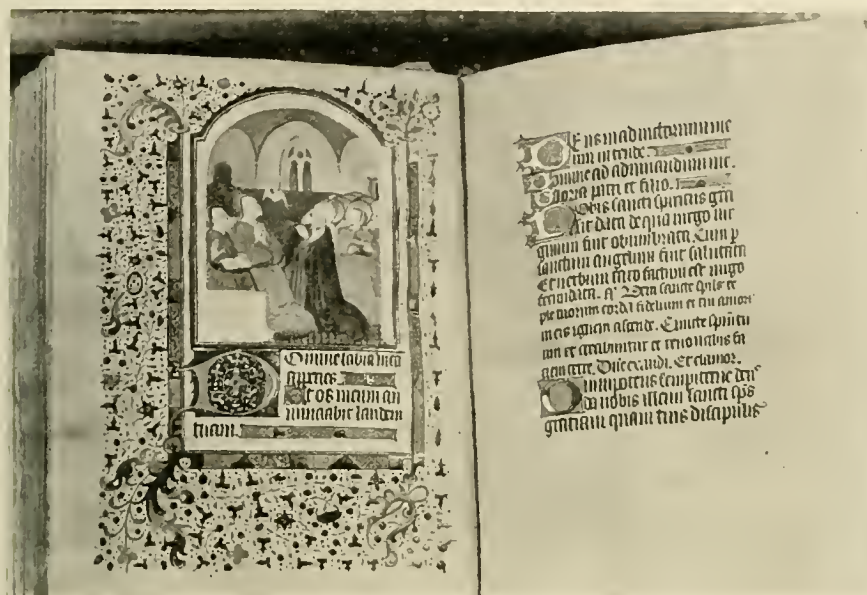
Among the interesting volumes acquired by Dr. Chandler were, of course, the six folios of Shakespeare which were the subject of a recent monograph sent out to the alumni. There are, however, a great many other extraordinarily interesting books which no one, unfamiliar with the facts, would expect to find at Lehigh. It is impossible in the short space of this article to mention many of them, but there are some which perhaps might prove of interest to the alumni.

The library owns seventeen incunabula or books printed before 1500. This is an unusual number for a library of



Mining and Smelting Processes from Agricola's De Re Metallica, 1556. These portray the activities of our miners and metallurgists if they had lived a few hundred years earlier.





Illuminated MS. Book of Hours or Prayer Book, 15th Century

our size and none of them appear to be in the Library of Congress. Among them is a very fine edition (1493) of the Nuremberg Chronicle. It is a fine copy and we are reproducing here a double page showing a wood-cut of the city of Constantinople as conceived by the artist who illustrated this volume. Another incunabulum from which the first page is here reproduced is the 1475 edition of Ptolemy's *Cosmographia*. Although this is a printed book, the first page is elaborately decorated or illuminated by hand in gold and color. Besides this 1475 edition, Lehigh has ten other editions of this important geographical work published before the year 1600. These volumes form a part of Lehigh's excellent collection of books on geography and travel, among which are DeBry's *Voyages*, Hakluyt *Voyages*, and an edition of Ortelius' *Atlas* published in London in 1606. This collection is of importance not only to persons interested in geography but serves the research students almost equally in history. Still another incunabulum is the oldest printed Bible we have at Lehigh, published in 1479 (see cut).

While we are on the subject of Bibles it might be of interest to point out that Lehigh has the first, second and third editions of the so-called Saur Bible, which is the first Bible printed in America in a foreign language. This is a German Bible and was preceded only by Eliot's Bible in the Indian language. The oldest Bible that we have in English is a copy of the Breeches' Bible printed by Barker in London in 1583. This Bible gets its name because the word Breeches is used instead of aprons to describe the clothes made by Adam and Eve after their expulsion from the garden of Eden.

Dr. Chandler did not neglect to get a few interesting and unusual manuscripts. There are four hand-illuminated Books-of-Hours or Prayer Books

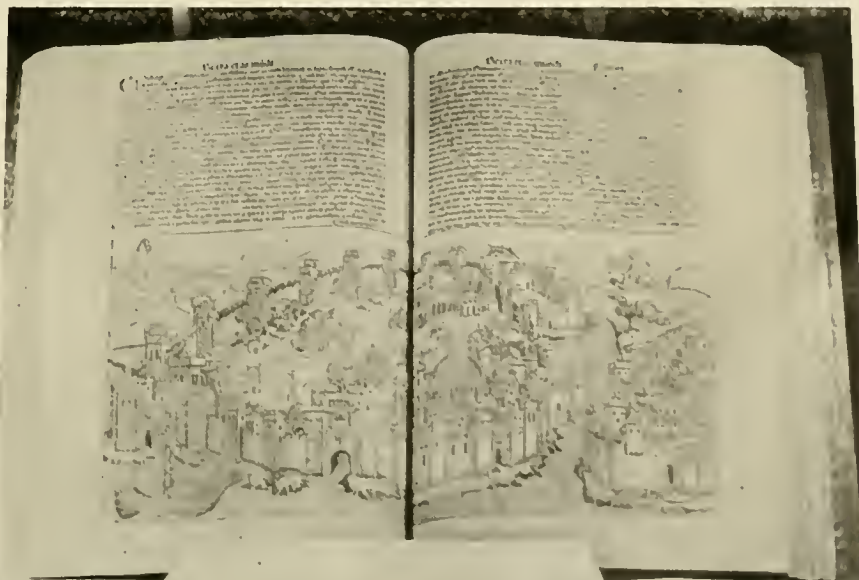
on vellum, all done by hand and of great beauty. A photograph of two of the pages from one of the most beautiful of the Prayer Books is here reproduced. These Prayer Books, made with great care by monks, were followed, after the introduction of printing and especially during the last quarter of the 15th century, by Block Books—Prayer Books printed from solid wooden blocks, elaborately cut not only with the text, but also with fine wood-cut illustrations. Lehigh has one of these printed on vellum in 1502 with illustrations and portraits in wood-cuts of fine texture which makes a very interesting companion volume to those made by hand and which illustrates the transition from handmade books to our modern form of printing.

English books printed before 1640 are

relatively rare and are in many instances considered more valuable for research purposes than those printed in other countries because of the interest in America in our ancestral history and literature. Most libraries the size of Lehigh's would have few or none. Lehigh has ninety titles that fall within this class and they are well selected so that the majority of them are interesting not only on account of their rarity but because they contain literature and history of permanent worth. Among them is the 1632 edition of John Smith *History of Virginia*, the 1577 edition of Hollinshead's *Chronicle* and others of equal interest. Some eight of ours are not to be found in the great Henry E. Huntington Library in California, which has made it a point to secure as many English books printed before 1640 as possible.

There are many books of scientific and technical interest which came to us in the Library of Eckley B. Coxe, presented by Mrs. Coxe in his memory. Many of the volumes in chemistry go back to the days of alchemy or black magic, which was the beginning of present day chemistry. These volumes are of interest to the literary scholar as well as to the scientist interested in the history of chemistry. Two illustrations reproduced here are taken from the 1556 edition of Agricola's, *De Re Metallica*—they are wood-cuts, one showing mining processes and the other the smelting or refining process. This volume is only one of many such interesting historical books in science that came to us in the Coxe library. Perhaps some of the alumni are wondering what these rare books have to do with the present day work of the University, and at first glance they would seem to have very little connection with it, but we have recently had an undergraduate

(Continued on page 16.)



City of Constantinople from first edition of Nuremberg Chronicle, 1493



## THE END OF AN EPOCH

**W**ITH the present month the four-year period of our Endowment Campaign closes. Of course there are still many pledges which have not been paid in full and some on which nothing has been paid. Therefore for a year or two longer the work of collection must go on with unabated zeal. But in general the stage is cleared for the next act of the Greater Lehigh drama, which consists of the securing of the additional educational plant and equipment called for in our prospectus, Dr. Richard's "Study of the Needs of Lehigh University."

Of course, when you fire up and start a great engine of new design there is lots of noise and excitement, a bit of cheering and flag-waving as she moves out over the rails headed for her scheduled destination, and then as the crew settles down to the business of getting up speed the crowd disperses and promptly forgets all about it unless this new triumph of the locomotive builders' art is wrecked. The production of the cars this new "Mogul of the Rails" was built to draw, the securing of the freight, the safe handling of this cargo, its delivery at the proper destination, are all left to the regular railroad employees. Not so, however, with a college, if you would have it eminently successful. We alumni got up steam and at least partially filled the bunkers by our Endowment Campaign, one of our number provided some new rolling stock for housing more advantageously its precious cargo, many have helped in securing the proper kind of freight, but that is far from sufficient. More cars are needed, the road-bed provided by Asa Packer requires re-ballasting on certain stretches, new rails at other points, higher-grade cargo is wanted which will pay greater returns for the handling, and terminal facilities adequate for the peak load must be built. More study and research there should be to the end that greater speed combined with increased safety be attained.

In short our job is just begun and will never end as long as the college lives. Because it is a year-in and year-out job we should organize for steady, never wavering assistance. It was in full recognition of this that the Lehigh University Alumni Fund was created. Its whole idea and purpose is comprised in one sentence: "One gift from every Lehigh man, and only one, each year." No campaigns, no shouting and flag-waving, just steady, quiet loyalty, each man doing each year what in that particular year he feels able and anxious to do. No high-powered salesmanship, no long-period pledges, no emotional appeal. Just a quiet attempt to get each alumnus to stop dreaming about the millions he is going to give Lehigh "some day" and come down to the practical problem of whether he can afford ten dollars or twenty, fifty dollars or a hundred, one thousand or five thousand this year.

At the moment Lehigh faces certain concrete problems. We are about to build the new Packard Laboratory. Packard, '84, has, by his splendid generosity, provided for that. But, by alumni work and influence, we can make every dollar of the million he has given do double duty and make the equipment for teaching and research commensurate in every way with the building which will house it. Then comes the next problem of remodeling the Physics Lab. and Williams Hall, vacated by the Departments which have moved to the new building, so that they in turn will provide instructional facilities of the best for the departments

which will expand into the quarters vacated by Electrical and Mechanical Engineering. This will be a job of no mean size and its cost will not be small. Even more immediate is the remodeling of our heating and power plant to take care of the new building and at the same time provide for the future. Last but not least comes the rebuilding of the Library, a task which must be soon performed if Lehigh's work is not to falter.

So you see the major tasks before us. In fact they are squarely in front of us. You can now understand why the University so carefully conserved its resources during the past year, allowing almost a hundred thousand dollars of income to go into what might be considered capital operations. We knew full well that this amount and more must each year, for several years to come, be expended in such operations and there is no place for it to come from except income. Therefore the Alumni Fund, which is a gift to income, is a star of hope in the University's horizon. If this fund grows as we alumni hope to make it grow it will do much to solve the pressing problems that confront Lehigh in her steady surge towards her goal. If it fails to fulfill our hopes then of necessity Lehigh must reduce the draft, cut down the steam pressure and slacken speed.

We have reached the end of the Endowment Campaign Epoch. We hope for and already know of many future accretions to endowment but for the present our thoughts are fixed on the vital, material needs of the next few years. The University must complete its educational plant bringing it up to the standard set in our plans for a Greater Lehigh. This we recognize and in this task we alumni must play our part.

Judging from the record to date this part will be a most important one. The Alumni Association has purposely refrained from any emphasis in the Alumni Fund, realizing the Endowment period must first come to a close. We have, however, set up the machinery and given publicity to the Fund so that it might the more readily be put into operation when 1928 arrived. Each man as he finished payment on his Endowment pledge has been asked to give some thought to the Fund. In 1925-26 over eight thousand dollars came in. Last year this increased to thirteen thousand dollars. Since last June, although in this period there was no publicity whatever, all effort being concentrated on endowment collections, the returns in the matter of the Alumni Fund are much greater than during the same period last year.

In the table on the opposite page we give merely the results of the Alumni Fund payments to date, omitting entirely Endowment payments. This is done in order to give a clear picture of the status of the Alumni Fund on the eve of our real start. Bear in mind that all Alumni Fund payments have as a first charge against them, unless otherwise specified, alumni dues, BULLETIN subscription and class dues. This is done for two reasons. First because these payments cover important work for Lehigh and secondly because we wish to adhere strictly to our slogan, "One gift and only one," each year. So the table shows the exact number of men who have paid anything into the Alumni Fund since June and the note at the bottom indicates the division that is made of the money received to date.



## Alumni Fund Payments From June 7 To December 5, 1927

Class	SCALE				Number of Members With Addresses	Alumni Fund Contributors Since June 7, 1927	Percentage	Amount Paid To Date
	0	25%	50%	75%				
1927					239	41	17%	\$ (257.00)
1926					222	54	24%	(485.00)
1925					249	38	15%	(419.00)
1924					261	59	23%	(357.00)
1923					254	65	26%	(450.00)
1922					227	58	26%	(448.00)
1921					179	52	29%	(443.00)
1920					188	54	29%	(455.00)
1919					148	40	27%	(308.00)
1918					139	46	33%	(361.00)
1917					168	48	28%	(426.00)
1916					145	37	26%	(297.00)
1915					126	36	29%	(313.00)
1914					128	35	27%	(296.00)
1913					143	29	20%	(242.00)
1912					134	32	24%	(317.00)
1911					123	23	19%	(263.00)
1910					163	43	26%	(593.00)
1909					138	41	30%	(614.00)
1908					150	38	25%	(462.00)
1907					133	49	37%	(603.00)
1906					118	38	32%	(539.00)
1905					109	42	39%	(464.00)
1904					95	42	44%	(530.00)
1903					89	34	39%	(575.00)
1902					50	20	40%	(766.00)
1901					60	34	57%	(1,020.00)
1900					62	17	27%	(725.00)
1899					40	24	60%	(321.64)
1898					63	25	40%	(293.00)
1897					74	38	51%	(448.00)
1896					95	47	49%	(586.00)
1895					98	65	66%	(1,128.00)
1894					62	35	56%	(1,355.00)
1893					76	35	46%	(327.00)
1892					44	21	48%	(186.00)
1891					44	23	52%	(379.00)
1890					58	26	45%	(356.00)
1889					51	31	60%	(593.34)
1888					56	29	52%	(383.00)
1887					43	24	56%	(753.00)
1886					33	18	55%	(229.00)
1885					22	10	45%	(98.00)
1884					14	9	64%	(116.00)
1883					22	14	64%	(245.00)
1882					7	3	43%	(118.00)
1881					4	2	50%	(14.00)
1880					5	1	20%	(5.00)
1879					5	2	40%	(24.00)
1878					9	5	56%	(37.00)
1877					8	3	38%	(84.00)
1876					8	2	25%	(14.00)
1875					5	2	40%	(34.00)
1874					3	3	100%	(36.00)
1873					3	1	33%	(5.00)
1872					4	....	....	....
1871					3	1	33%	(7.00)
Total					5199	1644	32%	(\$21,373.52)

The total listed above will be distributed as follows: Alumni Dues, \$6,030.64; BULLETIN, \$3,040.00; Class Dues, \$2,885.00; Income Account, \$9,417.88.

# FOOTBALL

## Varsity as Usual— Undeclared Frosh Beat Lafayette



Singing the Alma Mater

IT IS fairly certain that no one will quarrel with us if we give but scanty space to the three final games of the season. What more is there to say than "Bucknell beat us, Rutgers beat us and Lafayette licked us." Having got through with the annual defeat in football from our ancient rival we can now settle down to the regular business of beating her in ten or a dozen other branches of sport. In fact, we have already begun. The Cross-Country Team started the ball rolling and day before yesterday our Soccer Team trimmed Lafayette for the eighth successive time. The usual tide of victories over Lafayette will probably continue throughout the year and next spring another class will graduate "without having seen Lehigh beat Lafayette." All of which sounds like a farrago of nonsense wholly unintelligible to an outsider but quite easy for a Lehigh man to understand.

However, before we proceed with the horrible details of the wind-up of the Varsity season, let me gently remind you that even in Intercollegiate Football a Lafayette team has gone down before Lehigh this year. The Freshman team came through with a clean slate and climaxed their season by defeating the Lafayette yearlings 13 to 3. Previous to this they won from Muhlenberg Frosh 19 to 13, topped the Rutgers Frosh 6 to 0, trimmed Drexel Frosh 25 to 2, tried to use Notre Dame's stunt of starting the second string against Franklin and Marshall Frosh and had a fumble turned into a touchdown against them which made our "regulars" hustle to win by a score of 9 to 7. Their goal line was never crossed except on this fumble. The other scores were a safety caused by a high pass from center in the Drexel game and a goal from the field kicked by Tellier of Lafayette.

They are a fine bunch of kids, these Freshmen, and they were splendidly coached by "Austy" Tate, '17, assisted by "Hymie" Goldman, '21. Adding this bunch of Freshmen to the thirty Sophomores and Juniors on the Varsity squad will give our new coach a lot of very decent timber out of which to build a team next year.

In addition to the varsity games we are adding a story and line-up of the Lehigh-Lafayette Freshman game. Perhaps you had better skip right over to that at once. It will be pleasanter reading.

### Lehigh, 6; Bucknell, 20

Unquestionably Lehigh played her best game of the season against the strong Bucknell team, the conquerors of Penn State and Villa Nova. But for poor punting, a weakness which counted heavily against the team all season, the score would probably have been much closer. In fact the first touchdown followed quickly after a poor punt which only went ten yards beyond the scrimmage line, going out of bounds on Lehigh's 17 yard line. Later on in the first half after Lehigh had held Bucknell for downs on our forty yard line and punted into Bucknell's territory, Diehl returned the kick and "Porky" Flynn tried to pick up the ball as it bounded over the soggy turf. Unfortunately he fumbled and Bucknell recovered on our 20 yard line. On three plays the visitors reached our 3 yard line for a first down. Here Lehigh made a fine stand. Those two great line-bucklers, Diehl and Quinn, required four tries to go the three yards and barely reached the goal line on the fourth try.

In the second half the game was fairly even, each side scoring a touchdown. Bucknell's came on a short pass that caught Lehigh napping (our forward pass defense was putrid all season) and Woodring, after catching the ball, ran 65 yards for a touchdown. Lehigh's touchdown came after a splendid advance from our own 36 yard line to Bucknell's 9 yard line. Here a short pass went wrong and grounded behind the goal line for a touch-back. But on the first play by Bucknell, Quinn fumbled and "Tubby" Miller grabbed the ball and sped over the line for a touchdown. The line-up:

Lehigh	Bucknell
Wilson .....	Truxall
Miller .....	Bollinger
Waldman .....	Walls
Ayre .....	Mitchell
B. Levitz .....	Eilor
Bruenning .....	Woerner
Brennan .....	James

Flynn .....	Q.B.	Quinn
J. Levitz .....	L.H.B.	Halicki
Raleigh .....	R.H.B.	McCormick
C. Lehr .....	F.B.	Diehl

### Score by periods:

Lehigh .....	0	0	0	6	—	6
Bucknell .....	7	7	6	0	—	20

Touchdowns: Diehl 2, Woodring, Miller. Point after touchdown: Halicki 2 (placements). Substitutions—Lehigh: Flynn for Davidowitz, Burke for Wilson, Bennett for C. Lehr, Robrecht for Bruenning, Moore for B. Levitz, Olmstead for Brennan, Kirkpatrick for Robrecht, A. Lehr for Ayre, Simes for Bennett, Landis for Burke, Galanos for Landis, Brennan for Olmstead, C. Lehr for Simes, Bennett for Raleigh, Burke for Brennan, Wilson for Galanos, Trantum for J. Levitz, Ayre for A. Lehr, Simes for C. Lehr. Bucknell: Klosteman for James, Nambacker for McCormick, Kupstus for Halicki, Trimmer for Truxall, W. Wadsworth for Bollinger, Taldy for Walls, Karwilowicz for Mitchell, Haldy for Hambacker, Treet for Haldy, Stephens for Wadsworth, Buch for Kupstus. Referee: Eckles, W. and J. Umpire: Benus, Pennsylvania. Head linesman: Shaw, Davidson. Field judge: O'Brien, Temple. Time of periods, 15 minutes.

### Lehigh, 6; Rutgers, 12

The absence of Davidowitz, Lehigh's quarter and only outstanding backfield man, doubtless had much to do with this defeat. Rutgers put on a lateral and forward passing game which gained a lot of ground but with "Dav" in the line-up it would have been far less effective. Also on the two occasions that Lehigh carried the ball to Rutgers' 10 yard line only to be stopped the presence of this sterling back might have brought the touchdown we needed. Our only touchdown came after an 80 yard run by Captain Burke who intercepted a Rutgers pass on our 20 yard line. Both of Rutgers' touchdowns came as the result of long forward passes.

Rutgers	Lehigh
Carney .....	Wilson
Shedden .....	Kirkpatrick
Gesbocker .....	Moore
Fox .....	Ayre
Digney .....	Waldman
Davis .....	W. Miller
Burkhardt .....	Brennan
Rosen .....	Flynn
Greenberg .....	C. Lehr
Roberts .....	Raleigh
Young .....	J. Levitz



## Score by periods:

Rutgers .....	6	0	6	0—12
Lehigh .....	6	0	0	0—6

Touchdowns: Burkhardt, Rosen, T. Burke. Substitutions: Bennett for C. Lehr, Burke for Brennan, Davidowitz for Bennett, Simes for Davidowitz, B. Levitz for Waldman, A. Lehr for Ayres, Olmstead for Wilson, Landis for Olmstead, Blackmar for Kirkpatrick, Galanos for Burke, Bennett for Simes, Wilson for Burke, Brennan for Landis, Waldman for Moore, Kirkpatrick for Blackmar, Simes for Bennett, Silverman for Simes, Burke for Brennan, Blackmar for Kirkpatrick, Trantum for Silverman, Kearney for Davis, Lorenz for Carney, Gordinier for Rosen, Rosen for Gordinier, Moscovitz for Kearney, Davis for Moscovitz. Referee: J. C. Hennessey, Brown. Umpire, E. J. Madden, Yale. Linesman: C. M. Coryell, Pennsylvania. Field Judge, H. G. Cann, New York University. Time of periods, 15 minutes.

## Lehigh, 0; Lafayette, 43

The team fought hard and the undergraduates cheered magnificently right to the last minute of the game. The spirit was the old Lehigh spirit but the team was outclassed. In size and strength our boys were the equals of Lafayette but in speed, skill and football technique they looked like Penn State against Pitt or Cornell against Dartmouth. For one quarter, the third, they stemmed the tide and that was the only quarter in which Lafayette did not score. Lehigh threatened twice late in the game, once advancing to Lafayette's 20 yard line and again to the 4 yard line. Both times a pass went wrong and the chance to score was lost. Lafayette showed in this game some of the class

that they basically possessed but which was conspicuous by its absence during mid-season, due, some say, to dissension in the ranks and a disloyal captain. Too bad we can't catch them in one of their infrequent slumps. The line-up:

Lehigh	Lafayette
Burke .....	L.E. .... Houser
Miller .....	L.T. .... Burnett
Moore .....	L.G. .... Warren
Ayre .....	C. .... Kressler
B. Levitz .....	R.G. .... Thompson
Kirkpatrick .....	R.T. .... Shelley
Wilson .....	R.E. .... Atkinson
Bennett .....	Q.B. .... Hanlon
Trantum .....	L.H.B. .... Wilson
Raleigh .....	R.H.B. .... Chimenti
C. Lehr .....	F.B. .... Guest

## Score by periods:

Lafayette .....	12	13	0	18—43
Lehigh .....	0	0	0	0—0

Touchdowns: Chimenti, Guest 2, Pursell, Hanlon, Shellenberger, O'Reilly. Point after touchdown: Guest, (scrimmage). Substitutions—Lehigh: Blackmar for Miller, Weber for Waldman, Holtz for Simes, J. Levitz for C. Lehr, Davidowitz for Bennett, Waldman for B. Levitz, Landis for Wilson, Van Blarcom for Raleigh, Trantum for Raleigh, Miller for Blackmar, Blackmar for Miller, Flynn for Davidowitz, Olmstead for Wilson, Brunning for Waldman, Johnston for J. Levitz, Brennan for Burke, Lehr for Ayre. Lafayette: Sherwood for Houser, Gebhard for Sherwood, Marburg for Shelley, Marx for Marburg, Pursell for Guest, Schadell for Pursell, Sarni for Warren, Miller for Thompson, Wolbert for Hanlon, Hanlon for Wolbert, Wolbert for Hanlon, Soloff for Burnett, O'Reilly for Wilson. Referee: Ed. Thorpe, LaSalle. Umpire: C. J. McCarthy, Germantown. Lineman, C. C. Eckles, Washington and Jefferson. Field judge: Tom Taggart, Rochester. Time of periods, 15 minutes.

## FRESHMAN GAME

## Lehigh, 13; Lafayette, 3

They were freshmen to be sure but a real Lehigh team. Not only were they coached by Lehigh men but in the starting line-up were three sons of Lehigh fathers. Enscoe at end is the son of George Enscoe, '96, and this youngster turned the tide of battle by scoring the touchdown that put Lehigh in the lead. Gadd at tackle is the son of Bob Gadd, '93, an old time Lehigh football player. Lattig at fullback is the son of Charley Lattig, '03, captain of the Lacrosse team back in the early years of the twentieth century. But the others were just as deeply steeped with Lehigh spirit as were the ones who sported Lehigh fathers. Listen! Early in the second half when the score stood 3 to 0 against us and defeat was staring us in the face, Elliott, the quarterback, giving signals in the huddle, turned fiercely on his team mates and demanded whether they were "Lehigh men or just fellows going to Lehigh." Surprised they answered with decision, "Lehigh men!" "Well then," spits out Elliott, "are you going to let Lafayette beat you?" The answer was two touchdowns and thirteen points in less than that number of minutes. These kids simply didn't know anything about defeat and furthermore did not propose to let Lafayette or anyone else teach them the meaning of it. A wholly stubborn and most delightful set of youngsters. May they bring their spirit up with them to the Varsity next fall. To me it was like a draft of old wine. You just can't help loving a team that carries the fight to the enemy first,



THIS IS THE TEAM THAT BEAT LAFAYETTE

Back Row—Haas, Hall, Harris, Savage, Coach "Austy" Tate, '17, Melhorn, Shay, Quesada, Evers  
 Middle Row—Enscoe, Darrell, Hoaster, Pinkney, Elliott, Lattig, Gadd  
 Bottom Row—Klein, Purvis, Rushong, Lamb, Jones, Woltemate  
 Not in Picture—Stutz and Fritts



last and all the time.

It was a bitter battle with little to choose between the teams during the first half. Lafayette scored her field goal in the second period and fought hard to hold her advantage, which she succeeded in doing until Enscoe intercepted a pass and, taking full advantage of the interference given by his team mates, made a long dash for a touchdown. Then, having tasted blood, Lehigh's team forced the fighting and drove Lafayette back against her own goal. Lafayette's kicker was hurried by the charging Lehigh line and his kick, aided by a sudden gust of wind, carried back over his head and across the goal line where Haas recovered the ball for the second touchdown. Thus ended a pleasant afternoon. The line-up:

Lehigh Frosh	Lafayette Frosh
Purvis .....	L.E. McKeen
Hall .....	L.T. H. Davis
Gadd .....	L.G. Bertolet
Stutz .....	C. Wood
Evers .....	R.G. Raymond
Haas .....	R.T. Patterson
Enscoe .....	R.E. Pivrotti
Elliott .....	Q.B. Sandback
Melhorn .....	R.H.B. Sullivan
Pickney .....	L.H.B. Thompson
Lattig .....	F.B. Tellier

Score by periods:

Lehigh F. ....	0	0	7	6—13
Lafayette F. ....	0	3	0	0—3

Substitutions—Lehigh: Kline for Evers, Harris for Pickney, Lamb for Lattig. Lafayette: Roberts for H. Davis, J. Davis for Sullivan. Referee, Evans, Ursinus. Umpire, Wallace, Washington University. Head linesman: Barkel, Notre Dame.

## TWO WINTER SCHEDULES COMPLETED

**Basketball Under Way—Wrestling Starts in January; Swimming to be Announced Later**

### Basketball

Dec. 3	Hahnemann .....	home
" 10	C. C. N. Y. ....	away
" 17	Crescent A. C. ....	home
Jan. 7	Princeton .....	away
" 11	Haverford .....	home
" 14	Army .....	away
" 21	Lafayette .....	home
Feb. 8	Muhlenberg .....	away
" 11	Navy .....	away
" 15	P. M. C. ....	home
" 18	Lafayette .....	away
" 22	Rutgers .....	home
" 25	Gettysburg .....	home
" 29	F. & M. ....	away
Mar. 3	Lafayette .....	away

### Wrestling

Jan. 14	Syracuse .....	away
" 21	Princeton .....	home
Feb. 11	Navy .....	away
" 13	Columbia .....	away
" 18	Cornell .....	home
" 25	Yale .....	away
Mar. 3	Lafayette .....	home
" 10	Penn. ....	away
" 16, 17	Intercollegiates.....	Princeton

## HERE'S ONE THAT WON'T FLUNK OUT

### Kirkpatrick Elected Football Captain

When the football team elected John Irvine Kirkpatrick, '29, of Woodhaven, N. Y., Captain for the coming season the first remark of almost every man who heard the news was, "Well, there's one that won't flunk out." A natural remark after losing three football captains by the flunk-out route in the past four years. But this one is a different story. He led his class in scholarship in his Freshman year, led it again and won the Wilbur Scholarship in his Sophomore year and will be found sitting right up near the top in any branch of activity he essays. He won his letter in Lacrosse last spring, is on the Brown and White Board, is Secretary of his class and yet finds time to earn a part of his expenses by waiting on the table.



Incidentally he is only nineteen years old. He stands over six feet and weighs 195 pounds. He has played at tackle on the Varsity for two years, being a substitute in 1926 but playing most of the Lafayette game and winning his letter this year.

We are "kinda" proud of this new Captain of ours and everyone is pulling off his coat to help Kirkpatrick realize his ambition to lead a winning team next year.

## NORTHERN JERSEY CLUB ELECTS COMMITTEE

The Northern Jersey Club held an organization business meeting on November 2 at the Gingham Coffee Shoppe, Newark. An executive committee was elected which consists of David Green, '22; Fred H. Samuels, '25; K. D. Gibson, '25; Geo. Harris, '89; Carl Hartdegen,

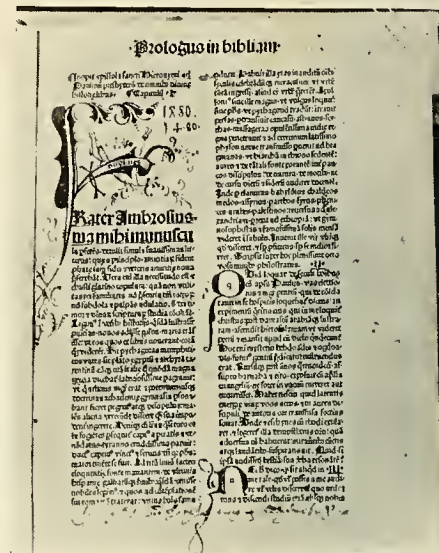
'14; Creighton Bickley, '14, and E. Johnson, '07, to decide the future policy of the club.

This committee met again on November 16, when it was decided to change the meeting place. A regular meeting of the club is being planned for December.

## THE TREASURES OF LEHIGH'S LIBRARY

(Continued from page 11.)

working in the field of biology who has made direct use of many of the fine old volumes in medicine and biology owned by the library. Rare books are of interest as material for exhibitions formed to show the history of a science, and



Oldest Bible at Lehigh, 1479

last but not least they are of importance when our faculty does research in almost any field. They form what might be called the foundations of a great library and if properly housed can be made to serve the purposes of education. The rare books at Lehigh should be housed properly in an adequate and well-equipped treasure room and are such as to lend distinction to almost any of our American colleges.

## Tompkins, '06, Completes A Nine Million Dollar Filter Plant

A formal inspection dinner was given by Charles H. Tompkins, '06, President of the Charles H. Tompkins Co., Constructing Engineers, to mark the completion of a new \$9,000,000 filtration plant at Washington, D. C., on October 20.

Tompkins gave a brief talk explaining the operation of the plant and its relation to the water supply of Washington. Philip O. Macqueen, '07, a specialist in water works design, did the greater part of the designing of the plant. There were about 300 men present at the affair, many of whom were Federal and District of Columbia officials. A number of other Lehigh men were also present.



## 1928 GRID SCHEDULE INCLUDES HARVARD

The 1928 football schedule as announced recently includes three teams that were not on this year's schedule. Two of these, Penna. Military College and Harvard, are newcomers as far as we are concerned. P. M. C. is an early season home game for us. The Harvard date is a choice one and will mark the first New England invasion in two years. This is one of the most attractive games on our schedule and the band and student body are already saving their pennies to follow the team to Cambridge.

The third team which was not included this year is Gettysburg, which has almost become an early season fixture on the Brown and White's schedule. This game could not be arranged for this year because of a conflict in dates.

The other games are virtually the same teams in the same order as they were met this year, which include Princeton, Muhlenberg, Bucknell, Rutgers and Lafayette.

The complete schedule is as follows:  
Sept. 29—St. John's College, at Bethlehem.

Oct. 6—Pennsylvania Military College, at Bethlehem.

Oct. 13—Gettysburg, at Bethlehem.

Oct. 20—Princeton, at Princeton.

Oct. 27—Muhlenberg, at Bethlehem.

Nov. 3—Harvard, at Cambridge.

Nov. 10—Bucknell, at Lewisburg.

Nov. 17—Rutgers, at Bethlehem.

Nov. 24—Lafayette, at Easton.

## Warriner, '90, One of Principals at Anthracite Meeting

At the recent gathering of the leaders of the Pennsylvania anthracite industry at Mount Carmel, Samuel D. Warriner, '90, President of the Lehigh Coal and Navigation Company, was a leading figure. At this conference he delivered one of the principal addresses on the "Genesis of the Anthracite Spirit," which was abstracted in many newspapers and technical journals throughout the country.

In the address he impressed upon the delegates the significance of the Pennsylvania anthracite mining industry, pointing out that the mining industry was now on the same basis as any other competitive industry and that its continued success depends on service rendered.

Warriner denied in his address that the industry was showing signs of decay and that this was the reason for the conference, but rather that the conference was held with the purpose of improving conditions and methods as well as to create a wider sphere of usefulness and expand its market by the development of new uses for its product.

At a previous conference, in Scranton, of leaders in the anthracite coal industry and representative business men of that section, Warriner was also one of the leading speakers.



Back Row—Stoneback, Capt. Damiani, Datwyler  
Middle Row—Coach Carpenter, Thomas, Schoen, Capt.-elect Bullard, Kramer, Pennington, Mgr. Gee  
Lower Row—Paget, Robinson, H. Palm, Maginniss, Hebbard, Wagner

HERE are two other teams that have Lafayette's number, anyhow. The soccer team (above) sent them back to Easton after beating them 1 to 0, making eight victories in as many games. In looking through the records we can not find any record of Lafayette ever winning from Lehigh in this sport. The Maroon was the favorite this year but that means nothing now. Included in the victory column is also a victory over the Navy, 2-0, played on the morning of the Lafayette game. Unfortunately the team lost to Haverford and Swarthmore but these games can be overlooked when the two victories mentioned above are taken into consideration.

The cross-country team also defeated Lafayette and Rutgers at the same time since it was a three-cornered meet held here in Bethlehem. This is the second consecutive year we won this meet. The hill and dalers landed fourth place in the Middle Atlantic Intercollegiates in New York to wind up a successful season. Harry Sames, a local boy, and the best runner in the outfit, was the unanimous choice of his teammates for the captaincy.

Dexter Bullard, of Kew Gardens, L. I., is next year's soccer captain. He played his first year on the Varsity and earned a backfield berth almost the very first day he reported.



Standing—Asst. Mgr. Adams, Laird, Mgr. Wilson, Coach Kanaly, Fiscus  
Asst. Mgr. Beer  
Sitting—Aitken, Lange, Capt. Chickering, Sames, Gadd



# News of the Lehigh Alumni Clubs

## NEW YORK MEETING BRISTLES WITH ACTION A Spirited Election and "Mules" Arouse Lots of Enthusiasm

For the first time in history, according to the confession of Freddy Portz' "come-on" announcement, the November meeting of the New York Lehigh Club, held as usual at the Machinery Club on November 4, 1927, was featured by a "real election." There were seven governors to be elected to the board. And the proceedings lived up to the announcement. It was a real election! How could it be otherwise with the aforementioned "majority leader" of North Jersey on one side of the room and Mizel, the Tammany ward-heeler of Queens County, on the other? When C. H. Boynton, '89, who presided, called for nominations, candidates were suggested from all quarters of the room, although one or two of the nominators seemed to have difficulty in reading the names of their candidates from the little slips distributed by Morton Sulzer before the meeting. At any rate, there was a regular written ballot and the following were declared elected: A. E. Buchanan, Jr., '18; Norman Merriman, '05; W. C. Dickerman, '96; F. E. Portz, '17; R. Campbell, '13; E. D. Pakenham, Jr., '26; A. T. Ward, '13. They will serve on the board of governors for three years. Incidentally, in this connection, in accordance with the provisions of an *alleged* constitution, the directors subsequently met and elected the following officers of the club to serve for the coming year: president, C. H. Boynton, '89; vice-president, W. W. Mills, '87; secretary-treasurer, M. Mizel, '18.

Bill Colling, official "song-pusher," was the life of the party and stirred up an abundance of pep which culminated in a sing-sing walk-around. Bill's efforts were so much appreciated that Rights, '23, jumped up and led a cheer for him, and the irrepressible Bill responded immediately by calling for a Dutch Yell for Rights.

The guest of the evening was Frank Tischenor, publisher of *Aero Digest*. Mr. Tischenor told of some of the obstacles aviation has had to face. He pointed out that Commander Byrd and General Mitchell had made personal sacrifices for the cause of aviation. He decried the inadequate number of aviation bases in the United States and said that all the commanding officers of our defense bases recognize the need for more aircraft as most urgent.

The real treat of the evening was the lecture by H. A. Butler, '83, on his favorite subject, "Mules." Butler is president of the Switch-Back Railroad in Mauch Chunk, the oldest railroad in the United States, but his hobby is mules. As a railroad man, he said, he had long been interested in motive power,

and it was in this connection that he first became interested in mules. On the Switch-Back, mules furnish the motor power for the up trip and gravity for the down-hill trip, the mules riding down with the cars. "I have always been a great friend of the mule," said Mr. Butler. "I liked mules even before I went to Lehigh. An interesting thing about the mule is that he has no ancestry, at least none to boast about. His father was a jackass, and on his maternal side he is descended from a long line of donkeys. There are no love affairs in the life of a mule: He cannot breed more than one generation. It is as though Dame Nature had observed the mule and said: 'It shall go no further.'" Continuing in this humorous vein, Butler kept his audience laughing, concluding with a fervent plea for subscriptions to a proposed monument to the mule which he proposes to design in the form of a bale of hay. Needless to say, "My Sweetheart's the Mule in the Mines" preceded the singing of the Alma Mater.

## NORTHERN CALIFORNIA LEHIGH CLUB

### Third Dinner Held November 8

2576 Washington St.,  
San Francisco.

Dear Okey:

On Tuesday, November 8, we held our third get-together meeting and dinner. In accordance with the wishes of the members of the club, Lafayette had been communicated with and a list of San Francisco Lafayette Alumni obtained. These were invited to attend our meeting. Although there are not many in this region, five attended. The Lehigh attendance was cut down by the illness of several enthusiasts, but there were twelve Lehigh men on deck.

The meeting was a big success. Owing to the fact that Mr. Tucker was unavoidably absent, Colonel A. V. Anderson, Lehigh, '94, presided. There was such a feeling of good fellowship that it was decided to invite the Lafayette crowd to attend our meeting in the future. The latter accepted and in the future our meetings will be joint meetings. We decided to hold meetings about every three months since the greater majority of the two groups is made up of men of classes prior to 1900 and it is more difficult for them to find time.

Several men have been located whose old addresses you had but at which they were not known. I'll send you these very shortly. Sorry I'm so late with this report.

Sincerely yours,

MAC.

John D. McPherson, Jr.  
December 1, 1927.

## A BIG JOINT SMOKER Hazleton the Scene of Lehigh Gathering

The Northeast Pennsylvania Lehigh Club joined with the Southern Anthracite Club in promoting the largest gathering of Lehigh men ever held in the anthracite district. One hundred and two Lehigh men came by motor, trolley and train from all over a region bounded by Scranton, Pittston and Wilkes-Barre on the north, and Mt. Carmel, Shamokin and Pottsville on the south. In fact, even the Reading district, centre of the Lehigh Club of Southeastern Pennsylvania, contributed its quota. Much of the credit for this remarkably large attendance goes to A. D. Macfarlane, '04, and George R. Wood, '11, who with their Hazleton associates left no stone unturned to round-up every branded steer and unbranded maverick in the coal regions who belongs to the Lehigh herd.

For toastmaster they chose William R. Bray, an old timer Lehigh football player back in '99 and '00. Bray is now principal of the Mining and Mechanical Institute at Freeland, Pa., a school established by the erstwhile "Angel of the Coal Fields" Mrs. Eckley B. Coxe, wife of a former Trustee of Lehigh University. The Freeland Institute has sent many a good student and, incidentally, a number of crack basketball players to Lehigh.

For speakers Macfarlane insisted that the Alumni Office secure a certain specified galaxy of talent. Accordingly we delivered "on the hoof" Professor Howard Eckfeldt, '95, Head of the Department of Mining Engineering; Percy Wendell, Head Coach, Charley Eastman, Line Coach, "Pat" Pazetti, '15, Assistant Coach, and "Austy" Tate, Freshman Coach. Out of politeness they asked me to fetch myself along. That gave them six speakers, enough to put the whole anthracite field to sleep.

It was a lively gathering and the speeches of all varieties and makes were hurled recklessly at the assembled multitude who "stood the gaff" magnificently and after each speech came up gasping and gallantly called for more. I enjoyed every second except when Bray with his "silvery locks" got up and remarked I used to be coach at Lehigh when he went to college. That classified me and my age in a manner that permitted of no denial.

This big turn-out for a football smoker in a year in which the fortunes of our team were at the lowest ebb is a wonderful commentary on the loyalty of our alumni in the anthracite district. Travel where you will you cannot find a crowd with more of the old-time Lehigh spirit. It surely is a joy to forgather with them.



## CHICAGO ALUMNI HEAR SPORTS WRITER

November 19, 1927.

Mr. Walter R. Okeson,  
Lehigh University,  
Bethlehem, Pa.

Dear Okey:

We had our Lehigh-Lafayette Dinner last night and while it wasn't nearly as successful an affair as we hope to build it up to be in the future, nevertheless it was enjoyable.

We had a crowd of thirty and Mr. Kern, President of the Chicago Lehigh Club, being in Florida, we turned the dinner over to Mr. Gates, President of the Chicago Lafayette Club, to preside. The speaker of the evening was Jimmy Corcoran, sports writer for the *Chicago Evening American* and the Hearst papers all over the country. Mr. Corcoran gave us a very interesting talk on football in general and on the value of publicity to schools and colleges.

He told us that while he was thoroughly familiar with Lehigh and Lafayette as two great institutions, nevertheless there is no inclination on their papers to write anything about us at any time, for they never get anything to say about us from the institutions themselves. He suggested that it would be a very good idea for the publicity men at Lehigh and Lafayette to shoot their stuff to the newspapers all over the country, especially to the big metropolitan newspapers. Here is Chicago, the second largest city in the country, and none of the papers run anything but the bare scores on Lehigh and Lafayette.

With your school of business now at Lehigh and I suppose a course in journalism and advertising, it should be a very easy matter to see to it that good material is sent to the important newspapers all over the country.

Mr. Corcoran says he never notices anything coming in about Lehigh and Lafayette, but if we do send some material to his paper from time to time he will be very glad to cooperate with us.

Mr. Kern, Mr. Lambert and myself are going to get together next week to talk about the Annual Lehigh Chicago Dinner to be held some time after the first of the year and you may hear from us later about that.

It is just five minutes after twelve down there in Bethlehem now and I know that you people are nervously grabbing a lunch about this time and on your toes for the game. We all envy you seeing it very much this afternoon and I've got the great secret hope for the big surprise. Here's hoping we get our hope.

Cordially yours,

JAMES T. AUBREY, '09.

EDITOR'S NOTE.—For several years we sent the Chicago papers Lehigh news every week and never got any of it in except an occasional feature story. Lately we have confined ourselves to

feature stories for papers a long distance away as these are the only ones that will be given space.

## SOUTHERN CALIFORNIA CELEBRATES

The second annual Lehigh-Lafayette Southern California Alumni Dinner was held at the University Club in Los Angeles on November 18, the night before the game. Lafayette's alumni considerably outnumber ours in Southern California, but nevertheless, 40 per cent of the gathering which numbered 69 were Lehigh men and Lafayette most courteously insisted on Lehigh furnishing the toastmaster. In the absence of "Shine" Kirk, '05, who acted in this capacity last year, J. S. Siebert, Lehigh, '86, consented to handle this job. There were brief remarks by each one present telling who and what he was and then Burr MacIntosh, of histrionic fame, but who forty years ago was a noted Lafayette and Princeton athlete, was called on for the speech of the evening and made one of his characteristic masterpieces. "Movies" of scenes on the campus at each of the colleges and of old-time Lehigh-Lafayette games carried the diners back over 3000 miles of hill and dale to the banks of the Lehigh and the Delaware. Lehigh songs were interspersed with those of Lafayette and each crowd voted the other "a gang of good fellows."

The credit for pulling off this dinner is shared by "Jeff" Hill, of Lafayette, and "Bob" Eckert, '08, of Lehigh. When "Shine" Kirk wrote me saying that he could not take hold this year and asking me to suggest some one to co-operate with "Jeff" Hill, I dashed off a note to "Bob" Eckert and he responded nobly. These Lehigh alumni are simply great. You call on them and before you can hear the echo there they are with both feet right in the middle of the picture, coats off and working like Hades.

"Bob" writes me that Lehigh men "in attendance as I remember them were" and then records the following names to which we have added initials and class numerals which we trust are right. Just who "Okeson" Bonnot is I have no idea. Alexander Bonnot is an '87 man. Perhaps I have a namesake of whom I have never heard. Anyway here is the list.

J. S. Siebert, '86, and son, Alexander and Okeson Bonnot, H. W. Tice, '13, M. P. Paret, '20, A. W. ("Whitey") Lewis, '18, C. J. Colt, '91, F. R. Abbott, '15, C. C. Jones, '87, C. E. ("Babe") Twombly, '17, J. S. Carman, '93, H. F. Campbell, '04, S. Y. Knight, '14, W. S. Tyler, '25, J. C. Sesser, '96, L. R. Hawley, '86, W. S. Maharg, '86, E. C. Weinsheimer, '06, W. J. Schmidt, '13, Lewis Thornburg, '14, F. G. Fear, '07, E. F. Gohl, '07, David Hall, '96, E. M. Masson, '99, W. A. Earnshaw, '09, and R. M. Eckert, '08.

## LOTS OF ACTION AT PHILA. DINNER

If you recall, the night of November 17 was one of the stormiest in many a moon with the wind howling around corners and the rain so dense that the Atlantic seemed like a Sahara. But this wasn't the cause of all the commotion and disturbance of the peace and quiet at Bookbinder's restaurant in Philadelphia. It was just the Lehigh cohorts coming in for their annual pre-Lafayette game dinner. They came more than 150 strong and taxed the capacity of that famous sea food house.

The affair lived up to all the advance notices sent out by "Bernie" Bernstein, '96, in which he proclaimed that those attending would get an "eyeful, earful, mouthful, bagful, Lehighful" and several other fulls.

The toastmaster was N. E. (Nick) Funk, '05, and the guest of honor was "Austey" Tate, '17, coach of our first-rate freshman team. Other invited guests included Ed. Pollock, Sports Editor of the *Public Ledger*, and Col. Booz, Lafayette, '95.

As Ed. Pollock expressed it in his column, he had "never been present at one which produced so much enthusiasm as the Lehigh smoker. He praised the Philadelphia Alumni for their great enthusiasm and spirit in the face of a most discouraging season and their feeling that our team would give Lafayette a real battle. He added that "no matter how the football team is rated, the alumni is entitled to a high ranking for loyalty."

As the speaker of the evening, Austey told his experiences with his first year boys and stressed the importance of a cooperative and optimistic spirit on the part of everybody interested.

Colonel Booz also spoke on the cordial relationship between the two institutions which he considered a fine thing for both colleges. It was not so long ago that the Colonel had a son on the Lafayette line so that he presents the attitude of an alumnus who is also a father of a player.

Several others spoke briefly and in somewhat of an extemporaneous manner on the football situation. At one stage of the meeting differences of opinion threatened "havoc," but the principals were finally appeased and everybody went home happy.

Some of the other speakers included "Brick" Wilson, '21; Joe Spagna, '20; "Pop" Pennington, '97; Charlie Wood, '92, and T. M. Eynon, '81.

The committee which arranged the affair consisted of Ted. Estes, '21; "Pop" Shipherd, '21, and Nick Funk.

Elaborate preparations are under way for the 35th anniversary dinner of the club to be held at the Bellevue-Stratford on January 27. This will be quite a celebration and one of the features will be "Bernie's" presentation of his 26th annual resignation as secretary of the club. He is said to be preparing a masterpiece for this occasion.



# "Dear Dad"

*Letters of a Lehigh Sophomore  
and His Lehigh Father*



Dear Dad:

What a day this has been. It snowed, rained and hailed all day and only one or two of the fellows went out. We sent one of the Frosh downtown after some extra papers and for once in my life I really felt sorry for a Frosh. This would be a good day for a long letter but it has only been a week since I was home for Thanksgiving and everything has been pretty quiet around here.

Although the football season has been over for some time there is still lots of talk about the prospects for next year and more about who will be the next coach. The Board of Control had a meeting this week and everybody was expecting that somebody would be selected. They seem to be taking their time about it and nothing was announced except that Wendell did not apply for the job again. That sure was a relief. I kept telling the fellows he didn't have a chance to come back but some of them were sure he would. I can't see what their reasoning was except that there was an article in a paper about six weeks ago which they gave out free at chapel until Cranmer stopped them and had them arrested. This article said Wendell was building for the future and some guys thought sure that meant he would be here again next year. This Cranmer is a loud mouthed fellow who rides around in an auto but I never see him do anything except talk to some laborers.

Everybody is wondering who the next coach will be. Most of the fellows think it will be "Austey" Tate, who coached that good Frosh team this year. He is a hero around here, especially with the Frosh. He graduated from here about ten years ago and I guess he was a pretty good player himself.

The soccer team beat Lafayette this week. You remember that fellow Harry I was telling you about at Thanksgiving who is so quiet. He is a sub on the team and I never saw him talk so much as he did after the game. You would of thought we had beaten them in football. He said Lafayette was the favorite but we have their number in soccer. Basketball started last night. We beat an outfit from Phila. who had a skull and

crossbones on their jerseys. I can't remember their name but that insignia made them look like undertakers' apprentices. Our team looked pretty good after they get a little more practice.

I am out for wrestling again but I guess I won't stand much chance. It seems as if everybody is out for the 158 pound class so I'll have a job on my hands. You see we have Heilman in the 145 and Lehr in the 175 so everybody between these two classes is trying out for the 158. That is the same Lehr that played center during part of the Lafayette game. I wish I was a good swimmer. I believe I would have more chance in that sport than any other but it don't amount to much around here.

That Dean must never have been in college himself. Who ever heard of sending out valentines just before Thanksgiving. Did I show you that one I got in calculus? I meant to if I didn't. I think I left it in your desk with some letters. I don't see how I could have forgotten about it but I remembered it just as soon as I got back and found a duplicate on my desk where I left it. I always used to think I was fairly good in math until I struck this stuff. I was in to see the prof. about it but he simply shook his head when I asked him how much I was below. That's only four hours so I'll be all right as far as probation is concerned. I'll admit I don't know much about the stuff and none of the other Sophomores in the house seem to either. I am glad I got that English off my roster for a while, anyhow. That seems to be the rottenest department in college as far as flunking fellows is concerned. And you might be sure there are plenty of football men taking courses down there.

The way it looks now, some of those good backfield men on the Frosh team aren't going to do next year's Varsity much good because they sure did rate heavy in valentines. Several of them got three or four. One thing sure though; next years' captain, Kirkpatrick, a tackle, won't flunk out. He got the Wilbur scholarship this year and would make Tau Bete but he is a business man.

The other day five upper classmen told the Faculty why students don't

study. It was sort of a Faculty meeting I guess and these men each read a paper giving his ideas on the subject. Nobody was there but profs and a few course-crabbers so I can't tell you much about it.

The town is all het up about a vice crusade. A cop was killed last week down near the Steel Works in a hold-up and since then the papers have been full of letters, etc., about the thing. They all seem to blame the mayor and the other officials. I don't know who they mean by "other officials" because I can't imagine this place having any others besides a mayor. That's what that flag was passed around for at the Lafayette game. They are raising a fund for his widow.

Mentioning a newspaper reminds me that Clinton Stowell, one of our Frosh, made the *Brown and White*. He certainly deserved it. He was always calling somebody up about a meeting or going out to one himself, so he said, but I didn't know there were so many night meetings on the Campus that lasted so long. He had to learn to use a typewriter but he can grind out the stuff at a great rate now. He is the first fellow we have had on the paper for some time, according to the seniors, but we have usually had at least one fellow on the *Epitome*. They tell me these publication men make lots of money. Maybe I'll go out for the *Epitome* this spring. The *Brown and White* staff should. The paper is nothing but ads most of the time.

The new Ford came out here on Friday and the whole house went down. They had it at the Collie. A couple of the fellows said they expected one for Christmas but I think they are just talking.

A funny thing happened this afternoon. One of the Frosh who usually goes to church on Sunday, but who lost his ambition today, turned the radio on this afternoon and some man was giving a lecture or a sermon. We hollered at him to turn it off after it had been going for a few minutes but he seemed to be interested. I was in the other room and not paying any attention to it. All at once he dashed in saying that the man had said Lehigh was one of the



## Roosevelt Dam and Reservoir System

# Great American Reservoirs

THE Roosevelt Dam stores up a huge reservoir of water which can be drawn upon as needed. The thirty-five Western Electric distributing houses store up reserves of telephone apparatus and supplies to be drawn on as needed by the telephone companies in constructing lines and maintaining service.

Western Electric with this outstanding national distribution system, does this work at substantial economies for the telephone companies and the telephone-using public.

In time of emergency this service, because of its flexibility, aids your telephone company in quickly repairing the ravages of storm, fire or flood.

Distribution thus plays an important part along with manufacturing and purchasing—the three Western Electric responsibilities—in supplying the needs of the Bell System.

*After the storm Western Electric stocks enable telephone service to be restored promptly.*

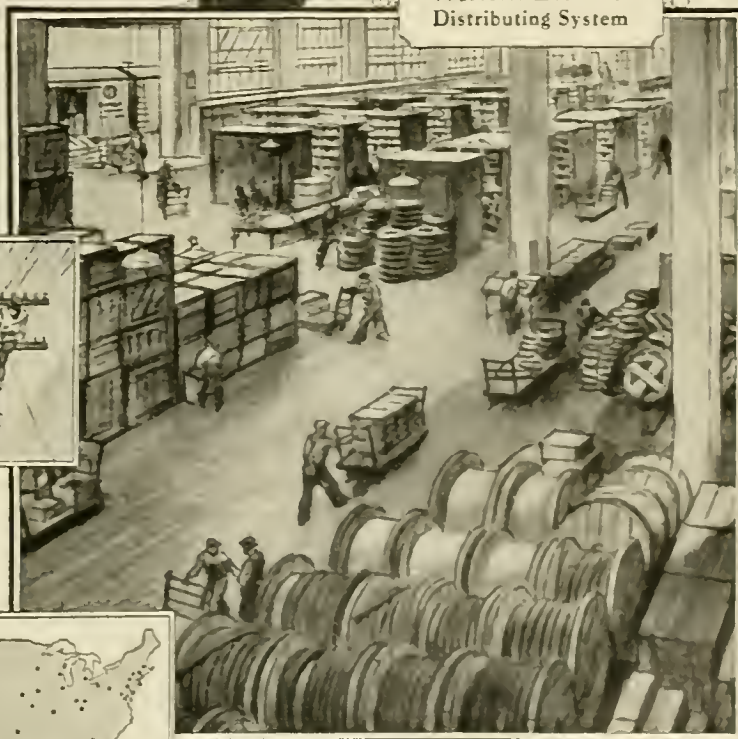
*Western Electric quickly supplies everything needed inside the telephone exchange too.*



*A nationwide service of supply. Western Electric maintains stocks at 35 important points.*



Western Electric  
Distributing System



# Western Electric

SINCE 1882 MANUFACTURERS FOR THE BELL SYSTEM



best engineering colleges in the country. We all went in and listened for a while but he was talking about something else by that time. We didn't know whether to believe him or not, although I think the man was right if hard work means anything.

Well, I'll have to close now because I told Fred Trafford I would go to church some Sunday and there is a friend over on the north side who asked me to go tonight. I don't like to disappoint anybody and besides it is not snowing so hard any more and I need some air, as I have been in all day. I am going to a Moravian church. I never heard of that kind of a church before I came here but I guess it's all right.

I may be a day late getting home for the Christmas holidays. Two houses are having dances the Wednesday night college closes and besides I can ride part of the way home with Jim if it don't snow too much.

Give my love to mother and tell her to get my laundry off as soon as possible because it will take longer with the heavy mails this time of the year.

Vacation starts on the 21st. See you the day after.

Love to all,  
FRANK.

Dear Son:

Why not go out for the *Brown and White*? Judging from the newsy letter just received from you, reporting should be one of your strong points. With you on the staff they would have something to mix in with the ads.

Good for the soccer team. I am thinking of changing my tactics and coming back for the soccer games instead of watching you play football. What's the matter with you students anyway? You seem to be able to play well in every branch of sport except the one we old grads come back to see.

You stick to wrestling and stop hunting for a soft spot. Suppose you don't make the team this year. You are only a Sophomore and have two more years to make good. Don't be one of these birds who has to win out the first try or he stops playing. The world is full of that kind and we don't need any more of them.

As to those Frosh backfield men, I reckon they are no worse off in the way of valentines than you were last year, and you are still on deck. If some of the alumni of the fraternities they are joining would keep after them the way I keep after you, the whole gang would be on hand when this year's Freshmen are Seniors. Incidentally they would be some good by that time, not only to the college, but to themselves.

Oh yes, I found the Calculus valentine. Strange, wasn't it, that you should forget it? A minor matter, of course, but just the same my Christmas present to you remains in storage until I get the results in Calculus at the end of the semester. That may seem hard but as the present is one of those new Fords you were looking over, there is no

chance for delivery before February anyway. If you are anxious to save your Dad from expense all you have to do is to flunk Calculus. But I'm suggesting that it will be just as well and perhaps better for you to have no respect for my pocket book.

So you think the Moravians are all right, perhaps. Well you just bet they are. Your mother was one even if she has back-slid and goes now to the church which does not bother much with religion or politics. I am a good Episcopalian myself and, there being no Moravian church within a hundred miles of our town, your mother adopted my brand of religion. Moravian! What memories that brings back of love feasts with coffee and sugar cake and a young girl by my side in a pew in that old Moravian church. It sure was a love-feast and it culminated in you. Of course there were some mighty nice girls in the old Moravian Seminary too, but don't tell your mother I said so. I wish I could see that person you went to church with the night of the day you

wrote to me. I don't know how deep the snow was but the blizzard of '98 failed to keep me away from the house in which a certain young lady lived. Like yourself I hated to disappoint anybody.

Sure, everybody always blames the Mayor for everything that goes wrong in a city. None of us ever stop to think that perhaps we citizens may be a little to blame ourselves. I am not so sure that you and the rest of the gang are not somewhat to blame. I know the police spent half their time when I was in college trying to keep track of the "dam stewgents." How many fines have you paid?

Well, here's Christmas, so I must cultivate a proper Christmas spirit. I know you will be hustled after those two dances (isn't one enough) and if Jim's car gets stuck in a drift you might have to walk home. Therefore, knowing the present generation has forgotten how to walk, I enclose a small check.

As ever and more so,  
DAD.

## LEHIGH MEN IN THE LIMELIGHT

### *P. H. W. Smith, '92, Heads a Division of the General Cable Corporation*

When four large cable companies merged recently to form the General Cable Corporation, P. H. W. Smith, '92, became President of the Standard Underground Cable Company Division of this corporation, as well as a Vice-President and Director of the corporation and a member of its Executive Committee. Smith had been with this concern for thirty-five years, of which the past fifteen had been spent as a Vice-President.

### *"Billy" Raeder, '76, is Principal Speaker at Elks' Memorial Day Exercises*

W. L. "Billy" Raeder was the subject of an editorial in a recent issue of the *Scranton Times*, in which he was commended for his work as a leader in the Elks. He delivered the principal memorial day address recently at the Easton Lodge of Elks, No. 121. He has been an exalted ruler of Wilkes-Barre Lodge and is the oldest living past exalted ruler of that lodge and is a member of the grand lodge. In 1907 he was district deputy for Pennsylvania north-east. While in college he was business manager of the first Lehigh paper, the *Lehigh Journal*, and was instrumental in launching this paper. The editors were C. N. Lauman, F. K. Bacon, S. M. Bines, all deceased, members of the class of '76, and W. L. Raeder and L. W. Richards, managers.

### *Dr. Elmer A. Sperry, Hon. '27, Assumes Important Research Post*

Elmer A. Sperry, chairman of the board of directors of the Sperry Gyroscope Company, assumed office recently as chairman of the Division of Engineering and Industrial Research of the

National Research Council. Dr. Sperry is also chairman of the American Committee which is arranging for participation in the world engineering congress at Tokio in 1929.

### *Baldwin, '96, Helps Flood Victims*

The efforts of L. W. Baldwin, '96, President of the Missouri-Pacific Railroad, in effecting a restoration of his road to normal conditions and in relieving the flood victims in the recent floods in the Mississippi Valley is described in a recent issue of the *St. Louis Globe-Democrat*.

The article, which is based on an interview with Baldwin, mentions a few of the many ways the railroad president provided for the relief and welfare of the sufferers in addition to the restoration of his own lines. Included in these was the furnishing of box-cars to house the homeless, the sending of a specialist to prevent a typhoid or malaria epidemic, the carrying out of sanitary methods and the assistance of farmers in replanting crops.

A sidelight mentioned in the article is also of particular interest. As a lover of high class music, an appeal was made to Baldwin to take the reins of the St. Louis Symphonic Society in the capacity of president, when the organization had extinction staring it in the face. In spite of the stupendous task of rehabilitating the railroad on his shoulders, he accepted the other office as a civic duty.

### *M. A. DeWolfe Howe, '86, Included in Picture of Distinguished Group*

In the first official photograph ever taken of Harvard's Board of Overseers, which appeared recently in the *Herald-Tribune*, M. A. DeWolf Howe, '86, a member of this Board, appears at the extreme left of the group.



1902

1927

# HOME SERVICE CREATES FOREIGN EXPANSION



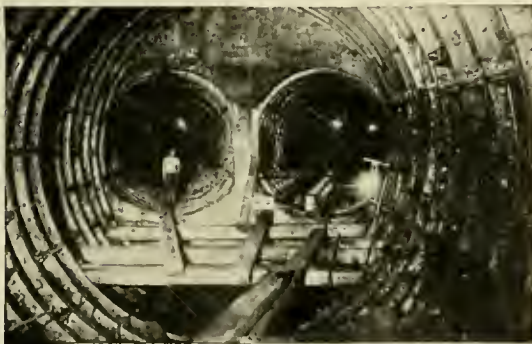
PHILO POWER HOUSE  
NORTH AMERICA



LIMA COUNTRY CLUB  
SOUTH AMERICA

**J**UST a quarter of a century ago four young men, with a broad background of training and experience in the engineering construction field, formed The Foundation Company. Today the company is at work in every continent, in both hemispheres, and on both sides of the Equator, on engineering construction of almost every known type.

The Foundation Company started in 1902 with small plant, few men, and two contracts; twenty-five years later its expansion includes a number of affiliated companies: The Foundation Company, The Foundation Company, Ltd., of Great Britain, The Foundation Company of Canada, Ltd., and The Foundation Company (Foreign) are now working throughout the United States, and in twelve foreign countries.



LONDON SUBWAYS  
EUROPE



TOKYO BRIDGE CAISSON  
ASIA

As indicative of the service rendered by The Foundation Company over this period of years, these partial lists of repeat contracts have special significance. In one case no less than thirty contracts have been awarded by one owner.

WHITAKER GLESSNER CO.  
Warehouse 1916  
Foundations 1917  
Warehouse 1923

AMERICAN GAS AND ELECTRIC CO.  
Power House 1918  
Power House 1923  
Power House 1926

GRAND TRUNK RAILWAY  
Bridge Piers 1917  
Bridge Work 1919  
Tunnel 1920

## THE FOUNDATION COMPANY

CITY OF NEW YORK

Office Buildings  
Industrial Plants  
Warehouses  
Railroads and Terminals  
Foundations and Underpinning  
Filtration and Sewage Plants

ATLANTA  
PITTSBURGH  
CHICAGO  
SAN FRANCISCO

LOS ANGELES  
MEXICO CITY  
CARTAGENA, COLOMBIA  
LIMA, PERU

MONTREAL  
LONDON, ENGLAND  
BRUSSELS, BELGIUM  
TOKYO, JAPAN

Hydro-Electric Developments  
Power Houses  
Highways  
River and Harbor Developments  
Bridges and Bridge Piers  
Mine Shafts and Tunnels

BUILDERS OF SUPERSTRUCTURES AS WELL AS SUBSTRUCTURES



## LEHIGH MEN WHO WRITE

William Bowie, '95, who is chief, Division of Geodesy, U. S. Coast and Geodetic Survey and President of the Section of Geodesy, International Geodetic and Geophysical Union, has just completed a most able and authoritative work on his special subject, entitled "Isostasy." It is published by E. P. Dutton and Company, New York.

The work is of special significance and value to geologists, petroleum and mining engineers, research workers in various branches of geology, physicists and instructors in schools of engineering. Some of the principal subjects treated in the contents of the work are the quantitative test of isostatic theory, isostatic effects and isostatic condition of the earth's crust under various classes of terrain.

W. H. McCreary, '12, one of Lehigh's outstanding poets, is the author of a collection of poems, "Wings and Wishes" published by Harold Vinal, New York. McCreary will be remembered as the author of a sonnet on P. A. Lambert, late Professor of Mathematics, which appeared in the BULLETIN at the time of Lambert's demise.

McCreary is living in Louisville, Ky., at the present time and southern manners and environment color many of the verses. The collection covers a wide range of subjects, touching many phases of our common life. In that, as well as in their composition, chaste and refined, withal romantic, lies their charm.

"Gallegher," one of Richard Harding Davis' most famous of American short stories, has recently been reprinted in the book "From 'Gallegher' to 'The Deserter'." compiled by Roger Burlingame. In the latter's preface "Dick" is proclaimed as "the greatest of all reporters." It is published by Charles Scribner's Sons, New York.

While mentioning Davis it might be appropriate to quote from Girard in the *Philadelphia Inquirer* in a recent commentary article on Pennsylvania writers:

"Richard Harding Davis for years did get a handsome sum from his books. He produced a larger number of first-rate sellers than any other Pennsylvania novelist of all time."

M. A. DeWolfe Howe, '86, has edited and written an introduction to a collection of articles entitled, "Marching with Sherman," which is composed of passages from the letters and campaign diaries of Henry Hitchcock, Major and Assistant-Adjutant General of Volunteers, November 1864-May 1865. It is published by the Yale University Press, New Haven.

F. J. G. Duck, '20, who is now Assistant Editor of *Coal Age*, wrote an interesting technical article in the September issue on "Crushing Roll Tendencies in anthracite preparation." The article includes considerable data on tests of various types of crushing rolls as well as comparisons of the different types with their respective advantages.

James H. Pierce, '10, Consulting Engineer with Stuart, James and Cooke, discusses a timely question of universal importance to mining engineers, "Is Europe Wrong or Are We?" in the October issue of *Coal Age*. Pierce spent several months in Kharkov, Russia, during the earlier part of the year, returned to this country in the Summer and then went back to Russia again in the capacity of a consulting engineer for Russian mines. In the article he compares the multiple and single-shifts in mine operation, ventilation methods, and coal recovery on the two continents.

Alvan Macauley, '92, president of the Packard Motor Car Company, is the author of an extremely interesting and timely article, "You can't compete with Careless Overhead," which was published in the *Magazine of Business*.

Ezra Bowen, '13, head of the Department of Business Administration, Lafayette College, writes an interesting article entitled "What is a Political Animal?" in the July issue of *Scientific Monthly*. Bowen points out that man is the political animal and proceeds to show why this is the case.

Carl W. Mitman, '09, Curator of the U. S. National Museum in Washington, points out the intimate relationship between watchmakers and outstanding inventions. He verifies a statement appearing in a modern encyclopedia that more basic inventions, except those in electricity and industrial chemistry, are the results of efforts of watch and clock makers than of any other professional group. In his article he includes the names of James Watt, George Stephenson, Matthias W. Baldwin, John Fitch and Ottmar Mergenthaler.

Joseph B. Reynolds, '07, who since 1922 had been Associate Professor of Mathematics and Astronomy at Lehigh, has been promoted to Professor of Mathematics and Theoretical Mechanics. Reynolds was on leave of absence last year and spent the time in advance study in Mathematics, Astronomy, Physics and Engineering at Princeton University. During the second semester last year, he was working with Professor Constant, developing a mathematical theory for concrete arched dams. This work has been favorably commented on by members of the committee of the American Society of Mechanical Engineers appointed to investigate the development of concrete dams. He is the author of two articles appearing this year; one on the "Evolutes of the Parahola," appearing in Volume 1 of the *Proceedings of the Pennsylvania Academy of Science*, the other on the "Evolutes of a Certain Type of Plane Curves," appearing in the *Mathematical Monthly*.

W. K. Smith, '13, had a series of mystery stories in *Mystery Magazine*, featuring the Adventures of Philadelphia Smith. (Smith's own college nickname.)

## PERSONALS

### OBITUARY

#### Howard L. McIlvain, '88

Howard L. McIlvain, aged 61, died at his home in Reading, Pa., on January 11, 1927. The demise came very suddenly as a result of an acute heart attack.

#### Conrado Eugenio Martinez, '01

Conrado Eugenio Martinez died on May 21, 1927, at Havana, Cuba. He was graduated with the degree of Civil Engineer with highest honors. From that time until his demise his career was replete with worth-while accomplishments. He started work as a rodman with the Pennsylvania Railroad, which position he held for a few months. He then returned to Cuba and began work in the Engineering Department of the City of Havana. He continued in municipal and government work for a number of years, continually rising to more responsible posts. He also engaged in private work at times. In 1924 he received the degree of Doctor of Laws from the University of Havana. Among the engineering projects on which he was chief engineer were the Havana sewer and paving contract, the sewerage and paving contract for the City of Cienfuegos and the water works for the City of Marianao.

He is survived by his widow and two daughters, Clara and Blanca. He was a member of the Union Club, the Country Club of Havana and Tau Beta Pi. He was also a member of the American Society of Civil Engineers.

### BIRTHS

#### Class of 1913

Born to Mr. and Mrs. Morris K. (Pete) Petty, a son on October 28, who is known as "Little Pete."

#### Class of 1926

The baby cup is still "at large." Mr. and Mrs. Howard Hess came mighty near to landing it for an addition to their silverware, but the baby is a girl. She was born early in November and is named Dorothea Ellen.

### MARRIAGES

#### Class of 1913

Hjalmar Edward Johnson to Miss Nan Cecelia Butler, daughter of Mrs. James Francis Butler, of St. Louis. They are residing at 2911 Sturtevant Avenue, Detroit, Mich.

#### Class of 1917

Henry R. Boston to Miss Enid Wilson Elmendorf, of Albany, New York, on October 29. They are residing at Hoosick Falls, New York.

#### Class of 1919

Beeton P. Launder to Miss Grace Edna Noonan, on June 18. Mr. and Mrs. Launder are living at 301 Beechwood Avenue, Bridgeport, Conn.





## Pneumatic Tools

Without the riveting hammer, or "gun," as it is sometimes called, there would be no towering skyscrapers—none of the massive structures that characterize our modern industrial life.

Few, however, understand the important work that falls to the lot of other pneumatic tools. Grinders, hoists, chippers, drills—they replace hand labor in every trade and speed the output of all our present-day commodities. There is scarcely an object of every-day use whose production at some point is not hastened or bettered through the skillful use of compressed-air equipment.

Ingersoll-Rand Company manufactures all sizes and types of air compressors, as well as a complete line of air-operated, labor-saving tools. Among these are included sand rammers, clay and trench diggers, backfill tampers, concrete surfacers, tie tampers, scaling hammers, riveters, and "safety-first" pneumatic saws. All of these tools are fast and positive in action, each performing the duties that formerly required from 3 to 10 men working by hand.

### INGERSOLL-RAND COMPANY

11 Broadway

New York City

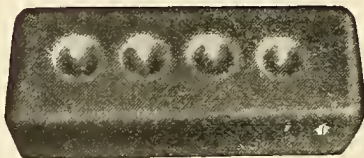
*Offices in principal cities the world over*

A riveting scene that is typical of structural steel work. The operator is more than 200 feet in the air.

# Ingersoll-Rand



## CHILLED IRON WIRE DRAWING DIES



Grinding plates, sand blast nozzles, pug mill blades, liner plates, tube mill trumpets, rod and rolling mill guides, centrifugal pump liners, pipes for ash conveying systems, coal breaker troughs, etc. All made of "Mackite"; our hard, white, abrasion resisting iron, remarkable for its wearing capacity.

**McFarland Foundry  
and Machine Co.**

TRENTON, N. J.

J. H. PENNINGTON, '97, Gen. Mgr.

### Class of 1922

Ernest Paul Gangewere to Miss Grace Hildebeitel, of Centre Valley, on November 3, at Coopersburg, Pa. The couple is residing temporarily with the bride's parents at Centre Valley.

John Walter Moorehouse to Miss Mary Emma Rinn, daughter of Mr. and Mrs. Otis Rinn, of 948 Club Avenue, Allentown. They are residing at 5740 N. Howard Street, Olney, Philadelphia.

Peyton L. Terry to Miss Gertrude L. Ryer, daughter of Mr. and Mrs. Thomas Albert Ryer, on October 6, at The Jersey City Woman's Club.

Harold D. Wallace to Miss Marjory Strang, daughter of Mr. and Mrs. Arthur F. Strang, on October 1, in Peekskill, N. Y.

### Class of 1924

Morris Earl Bishop to Miss Dorothy E. Oyer, of Easton, Pa., on August 20. Mr. and Mrs. Bishop reside at 154 Lovering Avenue, Buffalo.

### Class of 1925

Eugene H. Saxtan to Miss Marguerite Louise Gartner, daughter of Mr. and Mrs. George Gartner, of Jersey City, on October 8, in the First Congregational Church.

### Class of 1926

Russell B. Flammer to Miss Marguerite M. Benner, of Bethlehem, at Kutztown, Pa. The couple is living at 531 Prospect Avenue, Bethlehem, Pa. "Russ" is in the contracting business with his father.

## PERSONALS

### Class of 1875

Asa Jones, for many years a Justice of the Peace in Flemington, N. J., is now a resident of the Odd Fellows' Home, Trenton, N. J.

### Class of 1877

John Wesley McComas is now living at 547 Linden Avenue, Woodbridge, N. J.

James F. Marsteller is living at R. D. No. 3, Bethlehem.

George W. Wickersham was included among the guests of honor and speakers at the twenty-first anniversary dinner of the Economics Club of New York.

### Class of 1878

Mirtha Quinn is a member of the Gas Commission for Philadelphia.

### Class of 1885

Wm. J. Snyder is retired and is living in Brazil, Indiana. He was formerly a coal operator, manufacturer and banker.

### Class of 1886

John B. Simon is engaged in gas research work and mining. He can be reached at box 601, City Hall Station, New York.

Priestley Toulmin is president of the Lehigh Coal Company and vice-president of the Black Creek Coal and Coke Company.

### Class of 1888

Manuel V. Domenech is a consulting engineer in Porto Rico. He is also president of the Chamber of Commerce of the island.

Dean A. G. Rau of Moravian College was awarded a Litt.D. degree at Muhlenberg this year.

Engene H. Shipman has become president of a new company, known as the Lehigh and Delaware Transportation Company, with headquarters in Bethlehem.

## SERENITY

*What is it  
worth?*

**I**F you have known serenity of the mind, even once for a short time only, you will know that it is priceless.

But there are those who can sell you for a small part of your income one of the most direct steps to this serenity — they can sell you security, material security for the future.

They are life insurance agents.

They sell a priceless commodity at low cost. When a John Hancock Agent calls on you, remember this. It is worth while seeing him. Better still, it is worth your while to send for him and set your mind at rest on this score at once.

*John Hancock*  
LIFE INSURANCE COMPANY  
OF BOSTON, MASSACHUSETTS

A STRONG COMPANY. Over Sixty Years in Business. Liberal as to Contract, Safe and Secure in Every Way.



## *Lehigh's Best Advertisement is Her Alumni*



THE INAUGURATION OF DR. CHARLES RUSS RICHARDS, M.M.E., ENG.D., LL.D.,  
PRESIDENT OF LEHIGH UNIVERSITY, OCTOBER, 1922.  
DR. RICHARDS IN INSERT.

THE FACULTY of Lehigh University consists of one hundred and fifty-nine men, not to mention ten lecturers and nine research fellows. This is a ratio of one faculty member to somewhat less than ten students since the student body numbers slightly more than fifteen hundred.

OF THESE 159 men, thirty-five are administrative officers or full professors; fourteen are associate professors; forty-four are assistant professors; forty-seven are instructors and eighteen are assistants who are engaged jointly in research and teaching.

FORTY-THREE of this number have earned their doctorate degrees and by far the greater majority have one or more graduate degrees. Many of the professors and officers are noted authorities in their respective subjects and are prominent figures in the scientific, educational, literary or business world.

*This means that Lehigh can offer virtually individual instruction by recognized authorities or under their personal supervision.*

IN ADDITION to the regular members of the faculty there are some twelve or fifteen men and women who form a necessary adjunct to the faculty in that they play an indispensable part in rounding out the broad training which is considered of prime importance at Lehigh. Included in this category are the college chaplain, the Christian Association secretary, the nurse, the graduate manager of athletics, the organist and director of the band, the alumni secretary and many others.

---

PASS YOUR "BULLETIN" ON TO SOME PROSPECTIVE LEHIGH MAN

*The NATION'S BUILDING STONE*

Entrance, Administration Hall, Evansville College, Evansville, Indiana  
Miller, Fullenwider & Dowling, Architects

## Walls That Increase In Charm

**A**MERICAN colleges, following the ancient European tradition that institutions of learning should be built of lasting material, generally natural stone, are securing permanent beauty at moderate cost through the use of Indiana Limestone.

This fine natural stone is so beautiful and well adapted to building purposes and is so economical that more stone buildings throughout the country are constructed of it than of all other stones. Walls of this beautiful stone require little care. Indiana Limestone buildings acquire a soft, mellow tone which adds to their beauty.

In the building shown above, random jointing has been used with delightful effect. As the years pass, the charm of these walls will increase.

We will gladly send you a brochure showing fine examples of collegiate architecture in Indiana Limestone, illustrating the effects obtainable by the use of one or another of the various grades of Indiana Limestone. A reading of this booklet will enable you to follow your own institution's building program with greater understanding and interest.

For convenience, fill in your name and address below, tear out and mail to Box 836, Service Bureau, Indiana Limestone Company, Bedford, Indiana.



Name ..... Address .....

**Class of 1889**

Charles W. Moffett is vice-president and manager of the Duoflex Piston Ring Co., 114 Liberty Street, New York.

**Class of 1890**

Allan M. Masser is supervising engineer with the Continental Casualty Co. of Chicago.

T. A. Straub is with the Fort Pitt Bridge Works, Oliver Building, Pittsburgh.

**Class of 1891**

November 29, 1927.

To the Members of '91:

I hope we all have Lehigh University on our Xmas list for a gift to the Alumni Fund during the year ending June 30, 1928. This is on the supposition that we have not, since July 1, 1927, made such a gift or made a payment on our Endowment Fund subscription. Sorry I am not able to say all of this to you individually instead of putting it in cold type. A Merry Xmas and a Happy New Year.

WALTON FORSTALL.

The following is a letter from F. C. Lauderburn to Walton Forstall, Class Secretary and Treasurer, proclaiming the loyalty of the former to his class and Lehigh:

THE GENERAL THEOLOGICAL SEMINARY,  
Chelsea Square,  
New York City.

November 2, 1927.

Dear Walton:

You are without doubt the Prince of Living Class Secretaries.

I was as surprised as any one else, and more annoyed than any one else when my mail began coming to me as of '90. Even at this length of time, it is hard for me to love '90 as brothers, and besides I am sensitive about the extra year being added to the ones I already have too many of—what English!

It will have to go on now for a year, I imagine. I couldn't put dear old Lehigh to the expense of a new stencil.

I am here as Instructor in Pastoral Theology, and carry the Lehigh colors into Chapel on my back every day. The embarrassing thing is that it's only a Bachelor's hood, and looks pretty thin next to all the Doctors of Theology and Philosophy who are my companions. Even the kids on the Faculty are Masters. However, I should worry. I have never been an accumulator of degrees. My two Almae Matres are chary of giving degrees (this place and L. U.) and I am glad of it.

If you are in New York and have time, come around and see me. It is an attractive spot, an oasis in the desert of the lower West Side. You would like it and be a veritable lion in a den of Daniels.

My best to you always.

(Signed) FREDERIC C. LAUDERBURN.

**Class of 1892**

George W. Howard, Jr., has retired and is living at 741 South Euclid Ave., Pasadena, Cal.

Frank DeWitt Randolph has retired and is living at 40 Sanford Avenue, Plainfield, N. J.



# WHITE & BRO., INC.

## Smelters and Refiners

RICHMOND AND HEDLEY STS.

PHILADELPHIA

HARRY A. WHITE, '95

C. B. WHITE, '05

# Roebling

*Blue Center Steel Wire Rope*



Is especially manufactured for severe service. It is exceptionally tough and will withstand sudden stresses and the grinding and scraping of rough usage.

Made of a superior grade of steel produced in our own furnaces.

**DURABLE, DEPENDABLE, ECONOMICAL**

John A. Roebling's Sons Company Trenton, New Jersey

## Pumping Machinery

# Wilson-Snyder Manufacturing Co.

PITTSBURGH, PA.



H. D. WILSON, '01, President



E. T. MURPHY, '01  
Vice-President  
W. A. BORNEMANN, '17  
Sales  
H. B. GULICK, '21  
Sales.  
S. P. EAGLETON, '26  
Design

**SALES OFFICES**  
New York Philadelphia  
Boston Chicago  
Cleveland  
Kansas City  
Los Angeles

## Air Conditioning

Designs and installation of equipment to automatically create and control any desired conditions of Humidity, Temperature and Air Movement within buildings. Cooling and Dehumidification by Carrier Centrifugal Refrigeration.

## Drying and Processing

Automatically controlled equipment for air drying, moistening and processing of manufactured and raw materials.

*Specific Information on Request*

## Carrier Engineering Corporation

Offices and Laboratories  
NEWARK, N. J.

J. S. ROBESON, '86  
PENNINGTON, N. J.

# Lignone

a smokeless odorless  
Binder  
for coal briquets

BRIQUET  
ENGINEERING  
MACHINES  
BINDERS

### Class of 1893

Frank S. Loeb has retired and is living at 5417 Plainfield Street, Pittsburgh.

F. M. McCulloch is a load clerk for the Pennsylvania Railroad at Harrisburg.

George W. Ritchey is chief draftsman, Keystone Works, Jones and Laughlin Steel Corporation, Pittsburgh.

### Class of 1894

Alfred A. Howitz is chief engineer for the Sun Shipbuilding and Dry Dock Co. at Chester, Pa.

Thomas Chas. Roderick has become vice-president and general manager of the Ottumwa (Iowa) Gas Company.

Herman Schneider, who has been Dean of the College of Engineering and Commerce at the University of Cincinnati, is now also director of the School of Applied Arts and Institute of Scientific Research.

Frederick G. Sykes is president of the Electric Finance Corporation, 2 Rector Street, New York, and a director of the American Utilities Corporation.

Charles H. Thompson is president of the Myers-Whaley Company and the Tuckahoe Iron Products Company of Knoxville, Tenn.

Weldon B. Wooden is spending several months in Sarasota, Florida. His permanent residence is still 4301 Belvue Avenue, Baltimore.

### Class of 1895

Fayette McKenzie is Professor of Sociology at Juniata College, Huntingdon, Pa.

William Austin Slaughter has been elected a judge of Burlington County, N. J. He sits on the bench at the Mount Holly court house.

### Class of 1896

Robert E. Kresge is with the Columbia Steel Company, Butler, Pa., and is living at 442 East Pearl Street.

Clifford S. MacCalla is now president and general manager of the Pennsylvania Power Company and the Youngstown Municipal Railway.

### Class of 1897

Lawrence R. Lee is in the fruit growing business at Leesburg, Va.

### Class of 1898

John D. Hastings is in the Forgery Bond Department, National Surety Co., Packard Building, Philadelphia.

### Class of 1899

James A. Singmaster is a Metallurgical Engineer, with offices at 1640 Graybar Building, New York.

### Class of 1901

Everett J. Peck has become a fruit grower at Winter Haven, Florida.

Thomas W. Wright is a salesman for the Universal Gypsum Company, 103 Park Avenue, New York.

E. T. Murphy has recently been transferred to the New York office of the Carrier Engineering Corporation at 39 Cortlandt Street, as vice-president and general manager.

### Class of 1902

James B. Wright is a U. S. field clerk at McHester, Oklahoma.



**Class of 1903**

O. C. Snyder is proprietor of a radio shop in Riverside, California.

George R. Stull is president and general manager of the Hess Body Corporation at Hagerstown, Md.

Russell E. Thomas is still with the Building Department of the City of Los Angeles, but has become a structural engineer.

**Class of 1904**

Oliver J. Haller is a mechanical engineer with the Pittsburgh Piping and Equipment Company.

Ray L. Herriek is in the real estate business, with offices in the General Motors Building, Detroit.

Harry E. McCormick is an athletic director at the U. S. Military Academy, West Point.

Thomas A. Morgan is Vice-President of the Scranton Lackawanna Trust Co., of Scranton.

Jesse W. Underwood is now residing at "The Fishery," Wilton Road, Westport, Conn.

**Class of 1905**

Wm. C. Kline is now in the contracting business as President of the Monongahela Construction Company, Bethlehem Building, Fairmont, W. Va.

Hugh P. Oram is a Captain, Corps of Engineers, U. S. Army, Florence, Alabama. He is a District Engineer on the Wilson Dam.

Edgar Henry Schmidt is assistant to the Vice-President, Consolidated Gas Company, of New York City.

J. Henley Walker is resident engineer at Richmond for the State Highway Commission of Virginia.

J. Russell Wait, who is general manager of the Port Utilities Commission of Charleston, South Carolina, was honored at the recent convention of the American Association of Port Authorities by his election to one of the five directorates of this organization.

**Class of 1906**

Paul Henry Herman, who is a Major in the U. S. Army, has been transferred to Fort DeLesseps, Panama Canal Zone.

Harry C. Marshall is an engineer with the Union Oil Company of California, with offices in Los Angeles.

Robert B. Reinhard is with the Traylor Engineering and Manufacturing Company of Allentown.

Marvin W. Singer is with the Universal Steel Company, Bridgeville, Pa.

James Albert Smith is president of the Smith-Stewart Company, mill supplies and steel building, in Newburgh, N. Y.

John E. Ulrich is still with International Harvester Company, but has been transferred to the P. & O. Plow Works, Canton, Ill.

N. G. Smith was operated on for an appendicitis recently and his condition is greatly improved.

**Class of 1907**

C. M. Loucks is an architect and assistant engineer with the York Manufacturing Company of York, Pa.

**Class of 1908**

R. M. Eckert is with Cotton and Young, distributors of General Motors trucks and coaches.

E. D. Johnstone is assistant construction engineer with Thos. E. Murray, Inc., 55 Duane Street, New York.

R. D. B. Wright is with the Cochrane Corporation of Philadelphia.

T. F. Kotz is an assistant in the German Department of Ohio State University, Columbus, O.

Robert H. Shimer is in the contracting business in Bethlehem and is living at 123 East Market Street.

Ralph Warner is now with Hughes and Hammond, 285 Madison Avenue, New York.

# Blast Furnace Slag

**CRUSHED and SCREENED**

— SIZES FOR ALL PURPOSES —

*Also Granulated Slag and Ashes*

**PLANTS**

DUQUESNE, PA.	POTTSTOWN, PA.	WHARTON, N. J.
DUNBAR, PA.	COATESVILLE, PA.	TEMPLE, PA.
CATASAUQUA, PA.	BIRDSTOWN, PA.	EASTON, PA.

## DUQUESNE SLAG PRODUCTS CO.

<b>Main Office</b>	<b>District Sales Office</b>	<b>Dist. Sales Office</b>
Diamond Bank Bldg.	425 Commercial Trust Bldg.	24 W. Blackwell St.
PITTSBURGH, PA.	PHILADELPHIA, PA.	DOVER, N. J.

ESTABLISHED 1857

INCORPORATED 1906

## T. B. WOOD'S SONS COMPANY

CHAMBERSBURG, PA.

Power Transmission Machinery  
Flexible Couplings  
Belt Conveyors  
and Short Center Belt Drives

CHAS. O. WOOD, '92

T. B. WOOD, '98

G. H. WOOD, '99

# Bethlehem Foundry & Machine Company

## GENERAL FOUNDERS

and

## MACHINISTS

BETHLEHEM, PENNA.

W. A. WILBUR, Hon. '20  
Chairman of the Board

J. GEORGE LEHMAN, '96  
President

ROBERT E. WILBUR, '04  
1st Vice-President

I. E. KRAUSE,  
Sec. and Treasurer

# FLECK BROS. Co.

Manufacturers and Dealers

## PLUMBING and HEATING SUPPLIES

For Every Type of Home and Building



Growing Great  
Since '88

### GENERAL OFFICES AND DISPLAY ROOMS

50 N. FIFTH STREET  
506 ARCH STREET  
1645 N. AMERICAN STREET  
WESTMORELAND AND  
AGATE STREETS

PHILADELPHIA, PA.

JOHN G. FLECK, '90  
Vice-Pres. and Gen. Mgr.

G. B. LA PISH, '19  
Pur. Agt. Reading Br.

WEIL-McLAIN Boilers  
STANDARD Enamelware  
REPUBLIC Brass Work  
PAWNEE Pipeless Furnaces  
MOHICAN Closet Outfits

Septic Tanks, Wrought Pipe, Valves, Screwed Fittings,  
Radiators, Heating Appliances, Water Supply Systems,  
Factory Equipment

### BRANCHES

Allentown, Pa.  
Atlantic City, N. J.  
Baltimore, Md.  
Camden, N. J.  
Easton, Pa.  
Lancaster, Pa.  
Lansdale, Pa.  
Lansdowne, Pa.  
Macungie, Pa.  
Norfolk, Va.  
Pottstown, Pa.  
Pottsville, Pa.  
Reading, Pa.  
Stroudsburg, Pa.  
Warren, Pa.  
Williamsport, Pa.  
Williamstown, N. J.

### Class of 1909

Frederick M. Brodhead has become owner of the Essex Boat Company at Essex, Mass.

A. K. Brumbaugh is now Commercial Engineer, White Motor Company, Cleveland, Ohio. He is living at 3139 Cole-ridge Road, Cleveland.

John L. Dynan is General Superintendent of the Belmont-Mac Neill Mine at Paloverde, Arizona.

C. H. Field is Vice-President of the L. A. Harding Construction Corp., 1335 Main Street, Buffalo.

### Class of 1910

The engagement of John Anderson, who is with the General Electric Company, at Schenectady, to Miss Martha Shanklin, daughter of the late Mr. and Mrs. Elliott Shanklin, of Lexington, Ky., has been announced. Miss Shanklin is a niece of Jesse Robert Lovejoy, Vice-President of the G. E. Company.

Jacob Bright has become Chief Clerk to the General Superintendent of Telegraph, P. R. R. Company, Philadelphia. He has moved to 16 Glyn Lane, St. Davids, Pa.

M. C. Burrell is General Agent for the Home Life Insurance Company of New York with offices at 923 15th Street, Washington. He is living at the Wardman Park Hotel.

L. L. Ditmars is now a Motive Power Inspector for the Long Island Railroad.

### Class of 1911

A. W. Fisher is now District Manager for the McGraw-Hill Company, with offices at 1556 Bell Telephone Building, St. Louis, Mo.

Daniel M. Flick is General Superintendent of the Armour 31st Street Auxiliaries in Chicago.

H. deS. Kennedy spent the summer travelling in Europe.

George F. Hartman is sales manager of the Pittsburgh Office of the Henry Furnace and Foundry Co., of Cleveland. His offices are at 109 Federal Street, Pittsburgh.

### Class of 1912

Carl D. Kester is head of the Synchronous Motor Sales Department of the Westinghouse Company, Pittsburgh.

W. K. Allen is Manager of the Art Lighting Company of 309 Elmwood Avenue, Buffalo, N. Y.

C. R. Whyte has moved from Pittsburgh to 110 East Moreland Avenue, Philadelphia. He is Supervising Draftsman of the Philadelphia Improvements for the Penna. R. R.

Lester B. Knox is with the Fifth Sterling Steel Company, at McKeesport, Pa.

Allen V. Laub is an Instructor in Modern Languages at Shady Side Academy, Pittsburgh, Pa.

Walter J. Maguire is operating manager of the Madison Square Garden Corporation, New York.

Stanley C. Miles is an insurance agent, with offices at 38 N. Franklin Street, Wilkes-Barre.

Walter C. Solly is a street railway engineer for the Public Service Commission of Pennsylvania. He is living at 112 Market Street, Harrisburg.



**Class of 1913**

Jacob Blaustein has become first Vice-President and General Sales Manager, American Oil Company, Baltimore. He lives at 19 Talbot Road, Windsor Hills, Baltimore.

Classmates and friends of Edmund Quincy are sending him condolences upon the demise of his father, Charles F., on October 2.

Robert Campbell is now General Manager of the Atlas Steel Barrel Corporation, Bayonne, N. J.

Henry R. Cox is now a Surveyor in Oakland, California, and vicinity.

Pat Seguire has moved again. His address is now Box 31, Newport, Delaware.

**Class of 1914**

"Dick" Gifford is Lieutenant Commander, Corps of Civil Engineers, U. S. Navy. He is in the Bureaus of Yards and Docks and Aeronautics, Navy Department, Washington.

"Tad" Goundie received his Mining Degree this year after being employed for several years by the Central Railroad of New Jersey.

George Lewis is a Chemical Engineer with the American Instrument Company, Inc., at 1220 "D" Street, N.W., Washington, D. C.

D. S. Aungst, formerly with the Westinghouse Electric and Mfg. Co., has associated with the Mutual Life Insurance Co., of New York, with offices in the Arrott Building, Pittsburgh.

J. E. Bauman is now Head of the Department of Biology at Midland College, Fremont, Nebraska.

**Class of 1915**

"Dil" Dilcher is Secretary of the Herman Z. Cutler Company, Inc., Manheim Avenue, Bridgeton, N. J.

J. W. Downes has transferred his insurance business from Baltimore to Oyster Bay, N. Y.

Thomas W. Downes is a Metallurgist in the U. S. Naval Aircraft Factory, Philadelphia Navy Yard. He is still living in Ridley Park, a suburb of Philadelphia.

E. R. Frey has moved from West Philadelphia to 108 Swarthmore Ave., Ridley Park, Pa., a suburb of Philadelphia.

R. H. Sproul is at Lake Waccabuc, N. Y. Mail reaches him at Room 301, 111 B'way, New York.

**Class of 1916**

Allan Holman is proprietor of a gift shop bearing his name in the Hotel Altamont, Hazleton, Pa.

Herbert B. Knox is president of the Charles McCaul Company, Constructors, Greenwich, Conn.

Dud Roberts is a sales engineer with the Linde Air Products Co., New York.

Hawkshaw Sheckells is now in business for himself at Swanton, Md., as the Coal City Mine Tie Company.

H. E. Zieffe is a teacher in the vocational school, Baltimore.

George Sawtelle is still with the Kirby Petroleum Co., but has been transferred to San Angelo, Texas.

Charles A. Hiss is Transmission Engineer of the Southern Area for the New Jersey Bell Telephone Company, with offices at 28 W. State Street, Trenton, N. J.

CHARLES McGONIGLE, '01

OTHIO POOLE

**POOLE & McGONIGLE****ENGINEERS AND MANUFACTURERS****STRUCTURAL STEEL FOR BRIDGES, BUILDINGS, ETC.**

PORTLAND - - - OREGON

**POOLE-DEAN COMPANY**

Incorporated 1911

**STEEL CONTRACTORS****ERECTORS OF BRIDGES AND BUILDINGS**

PORTLAND - - - OREGON

OTHIO POOLE

CHARLES McGONIGLE, '01

**THE R. G. JOHNSON COMPANY****CONTRACTORS AND ENGINEERS****SHAFTS, SLOPES****MINING CONSTRUCTION****Pittsburgh, Pa.**

R. G. JOHNSON, '04, Pres.

C. H. DORSEY, '08, Treas.

**PERSONAL EFFECTS FLOATER POLICY**

Covering the personal effects of yourself and your family (including your son and daughter at college) against loss by fire, transportation and pilferage wherever they may be outside your home. Premium \$2.00 per \$100. Minimum \$10.00 per year.

**W. M. GOODWIN, Inc.****INSURANCE SURETY BONDS**

Wilbur Trust Co. Bldg.

Bethlehem, Pa.

Dime Savings' Trust Co. Bldg.  
AllentownFranklin Trust Co. Bldg.  
Philadelphia

R. B. Quirk, '13, Rep.

80 William Street  
New York City**NEW YORK SEWAGE DISPOSAL COMPANY****5621 GRAND CENTRAL TERMINAL, NEW YORK****Engineers and Contractors**

GEO. L. ROBINSON, '00, Pres.

SAMUEL T. MITMAN, '19, Engineer

BEN. E. COLE, '13, Vice-Pres.

H. S. HUTCHINSON, '18, Engineer

# BETHLEHEM FABRICATORS

INCORPORATED



Pennsylvania Power & Light Bldg.,  
Ninth and Hamilton Sts.,  
Allentown, Pa.

R. P. Hutchinson, '04  
J. H. Traeger, '03

OFFICE AND WORKS  
BETHLEHEM, PA.

STRUCTURAL STEEL  
FABRICATORS  
AND ERECTORS

## AGENTS

ALBANY, N. Y.  
ALTOONA, PA.  
BALTIMORE, MD.  
BUFFALO, N. Y.  
CLEVELAND, O.  
DALLAS, TEXAS  
HARTFORD, CONN.  
HAZLETON, PA.  
NEW YORK, N. Y.  
PHILADELPHIA, PA.  
SCRANTON, PA.  
WASHINGTON, D. C.

G. M. Overfield, '14  
A. L. Herman, '22

## Class of 1917

Robert B. Collier has become President of the Abraham Collier and Company, Paterson, N. J.

"Kewpie" Derr is employed as a Salesman for the Massey-Harris Harvester Company. He is living in Malvern, Penna.

"Shorty" Doushness has become an Assistant Professor of Mathematics at the institution "down the River."

"Doc" Edwards is with Grover O'Neill, Investment Counsel, 22 William Street, New York. He resides at 7 Fairview Avenue, Scarsdale, N. Y.

Charles Graham, Jr., is now residing in the Lucerne Apartments at Fort Worth, Texas.

Dr. Drinker has had a letter from Donald MacIsaac, from Mamzales, Colombia, S. A., where he is working for Ulen & Co., whose New York office is at 120 Broadway. The following paragraph tells of an Armistice Day party Don participated in: "It may interest you to learn that several Englishmen, a Frenchman, a Mexican who served in our tank corps, and five Americans are planning an Armistice Day party for soldiers here who served in France. There are several German soldiers here, some of them working under me, but we don't dare include them in our party for fear of starting another war in a neutral country."

## Class of 1918

"Winch" Bickley is Chief Chemist, Keiner and Company, 400 Adams Street, Newark, N. J.

Robert S. Campbell is one of the powers that be at Campbell's, 327 Fifth Avenue, Pittsburgh.

Jay P. Clymer is General Manager of the Down Tool Works, Fleetwood, Pa.

S. R. Drabble is Advertising Manager for the Ice Cream Department of the Anheuser-Busch Ice and Cold Storage Company, 979 Brook Avenue, New York.

J. L. Foster is with the Willys-Overland Company in Toledo, Ohio.

## Class of 1919

Geo. P. Burgess was awarded an LL.B. degree at the Chicago Law School last spring. He is now in the real estate department of the Chicago Title and Trust Co., and is living at the South Shore View Hotel on South Shore Drive.

"Divvy" Devout is supervising the Engineering Department of Swift and Co., Chicago. He is living at 3104 West 64th Street.

H. G. Barrett is still with the E. I. DuPont deNemours Company, but is now a salesman with offices in the General Motors Building, Detroit.

LeRoy Allam is teaching German in the Allentown High School this year.

## Class of 1920

Russ Danzer, who is in the orange business at Weirsdale, Fla., is making a specialty of direct shipments of oranges and grapefruit from the grove to the consumer. He wrote to the office recently bemoaning the result of the Lafayette game. His address is Box 91, Weirsdale.

Franklin C. Obert is Sales Manager of Electric Refrigerators in the Good Housekeeping Shop, Wilkes-Barre.

Chas. G. Schantz is with Weston Dodson & Co., Inc., in Bethlehem.



SPECIALISTS

IN

# Design and Construction

AUBREY WEYMOUTH, '94  
Chief Engineer



Lawrence H. Harwi is with Tooker and Company (Investment Brokers), 120 Broadway, New York.

Robert H. Henderson is an attorney with the firm, Henderson and Henderson, Huntingdon, Pa.

Henry L. Long is with the Scovil Manufacturing Company, of Waterbury, Conn.

#### Class of 1921

"Bill" Billinger is engaged to wed Miss Evelyn A. McCarthy of Bethlehem. The date for the happy event has not been announced. He is at the Univ. of Cincinnati as an Assistant Professor of Chemistry and graduate student.

Milton O. Billow is still teaching in Harrisburg but has been transferred to the Wm. Penn High School. He was formerly a member of the faculty of the Technical High School in the same city.

"Al" Brucher was a Director at Camp Shohola this summer. The camp is located at Greeley, Penna.

#### Class of 1922

T. E. Chase is Vice-President and General Manager of the Chase Construction Company, Allentown.

Paul Emil Bowman has a Baldwin Fellowship at the University of Cincinnati. He is living at 574 Terrace Avenue.

Lucien Esty is attending the Graduate School at Yale.

Henry Faxon is Foreman and Engineer with the American Pipe and Construction Company of Amsterdam, N. J.

S. J. Fegley is Principal of the Raub Junior High School, Allentown.

#### Class of 1923

The engagement of Charlie Forstall to Miss Elizabeth McLean Shoemaker, daughter of Mr. and Mrs. Comly B. Shoemaker, Jr., of Pottstown, has been announced.

Nelson Guthrie, Jr., has become a consulting engineer with W. J. Horrigan, 507 Realty Building, Louisville, Ky. He is living at 1862 Douglass Boulevard.

L. K. Harkins is teaching in the High School at Homestead, Penna.

L. S. Helffrich is a member of the firm, Helffrich and Son, bank stocks, 63 Wall Street, New York.

If some of the radio programs in the future don't suit you, blame Cork O'Keefe. He has become manager of an artists bureau for the Judson Radio Program Corporation of New York. He is still managing orchestras on the side. Did you notice in the November BULLETIN where Cork was married this fall to Miss Margaret McConlogue, who lived right across the street from Lehigh's main entrance? Mr. and Mrs. O'Keefe are living at 1795 Riverside Drive, New York.

"Crate" Creighton has moved his residence from Bayonne, N. J., to 100 Llewellyn Road, Montclair, N. J. His business is still in Bayonne.

#### Class of 1924

"Kid" Cornelius has moved from McKeesport to the Park View Apartments, Beaver, Penna.

"Bob" Franke has completed his Law Course at the University of Pennsylvania, having received an LL.B. last spring.

# American Abrasive Metals Co.

(Founded by Wm. H. Sayre, '86)

50 CHURCH ST.

NEW YORK CITY

## FERALUN *Anti-Slip Treads*

[A patented combination of iron and abrasive grit]

### To Prevent Slipping Accidents

Its peculiar properties make it the longest wearing, most efficient anti-slip material obtainable

For

Floor Plates

Car Steps and Platforms

Stair Treads and Landings

Elevator Door Thresholds

Door Saddles

Coal Hole Covers, Cover Plates, etc.

### General Industrial Uses

Its extreme durability, when subjected to severe abrasive action makes it most useful and economical in a wide variety of fields.

Brake Shoes (Mine Motors)

Rabble Blades

Pug Mill Paddles

Liner Plates, etc.

### For Special Work—where Bronze or Aluminum is required

"BRONZALUN"

(The "Grit" Cast in Bronze)

"ALUMALUN"

(The "Grit" Cast in Aluminum)

Sole Representatives for United States and Canada for

"CARBORUNDUM ANTI-SLIP TILE"

R. S. EDMONDSON, '06, President

G. P. BARTHOLOMEW, '06, Vice-Pres.

WM. H. SAYRE, '21, Vice-Pres.

AUSTIN H. SAYRE, '21, Vice-Pres.

GEORGE C. HUTCHINSON, '04

District Representative

Farmers Bank Bldg., Pittsburgh, Pa.

"Jess" Bugbee is with the N. A. K. Bugbee Company, Structural Steel Engineers and Contractors, of Trenton, N. J.

"Jim" Degnan is still Sales Engineer with the Worthington Pump and Machinery Corporation, but has been transferred to the New York office at 115 Broadway.

"Reds" DiGiulian is employed in the capacity of a civil engineer by W. J. Latimer, Civil Engineer, 926 15th Street, N.W., Washington, D. C. He has moved to 1300 Newton Street, N.E., same city.

#### Class of 1925

"Bill" Bunn has become Vice-Principal of the Tenafly High School, Tenafly, N. J.

Bryant Rankin is with the American Steel and Wire Co., at their plant at Worcester, Mass. He is living at 34 Grandville Avenue.

"Luke" Beggs has at last shown that he is human after all. His engagement to Miss Edith E. Walker, daughter of Mr. and Mrs. Thomas Walker, of 939 S. 19th St., Newark, N. J., has been announced. The favored young lady is as pretty a girl as Luke is a handsome young man.

#### Class of 1926

"Bob" Dunn is helping to build the office building adjoining the Grand Central Station, New York. He formerly helped at the Ziegfeld Theatre in the same capacity.

"Sandy" Morrison is selling Fords at Orwigsburg, Pa. (where ever that is).

Ed. Pakenham is with the Johns-Manville Corporation, 1315 Race Street, Philadelphia, and is living in style in an apartment at 4748 Pine Street, Philadelphia.

"Slim" Weston has been added to Dan Cupid's list of victims. His engagement to Miss Margaret Leona Carpenter, daughter of the Postmaster of Little Rock, Ark., has been announced. The favored young lady is a graduate of Millersville, Pa., State Normal and has been teaching school in Bethlehem for the past three years.

The same can be said for Bill Gairns. His engagement to Miss Nina Katherine Wilbur, daughter of Mr. and Mrs. Robert E. Wilbur, of Bethlehem, has been announced.

#### Class of 1927

"Bill" Easterbrook is in the Bridge and Fabrication Department of the Bethlehem Steel Company at Bethlehem. He just hates to leave the old town. He lives at the University Club.

"Herk" Frey is with the Ethyl Gasoline Corporation in their Research Department in Detroit.

Irv. Miles is secretary of the Carleton Tours, 522 Fifth Avenue, New York.

Dave Luria is a student at Jesus College, Oxford University. He is living at Rockhurst, Old Road, Headington, Oxford.

"Gis" Gisriel is a chemist and metallurgist with the Maryland Brass and Metal Works, Calvert and Federal Sts., Baltimore.

## ROBINS Material Handling Machinery

### ROBINS STANDARD EQUIPMENT FOR EVERY MATERIAL HANDLING REQUIREMENT

Write for Catalog No. 65

#### ROBINS CONVEYING BELT COMPANY

—With the Company—

C. KEMBLE BALDWIN, '95  
Vice-President

E. ROBINS MORGAN, '03  
New York Office

15 PARK ROW, NEW YORK CITY

Chicago

Pittsburgh

Philadelphia

Boston



**Wilson**

**Rolling Steel Doors**  
For durable service

By rolling overhead and out of the way, they save valuable floor space in Warehouses, Piers, Railroad and Industrial Buildings. Easily operated by hand, gearing, or motor

Send for 72 page text book No. 32

The J. G. Wilson Corporation  
Established 1876  
11 East 38th Street, New York City  
J. F. Middledith, '99, Sec'y. and Treas.  
L. Bevan, '21



**Coal and Ashes  
Handling Equipment**

EVERY type of coal and ashes handling equipment that has met the approval of the engineering profession generally, is built completely in our own shops. Our recommendations are therefore free from prejudice. Engineering counsel available at any Link-Belt office.

**LINK-BELT COMPANY**

CHICAGO INDIANAPOLIS PHILADELPHIA  
Pittsburgh, 335 Fifth Ave., E. J. Burnell, '12, Manager  
Harold S. Pierce, '04, Chief Engineer, Indianapolis, Ind.  
Carl A. Woerwag, '10, Sales Engineer, New York, N. Y.

**LINK-BELT**



# FORT PITT BRIDGE WORKS

OF PITTSBURGH, PA.

## BRIDGES, BUILDINGS STRUCTURAL STEEL

General Office,  
20th Floor, Oliver Building, Pittsburgh  
New York Office, 15 Park Row  
Chicago Office, Ashland Block  
Cleveland Office, Bulkley Building  
Purchasing Dept. and Works, Canonsburg

T. A. STRAUB, '90, President

H. R. BLICKLE, '93, Vice-President

SCHUYLER B. KNOX, '93, Manager N. Y. Office

E. K. ADAMS, '16, Contr. Engineer

P. B. STRAUB, '97, Secretary and Treasurer

A. SHELDON, '93, Asst. Chief Engineer

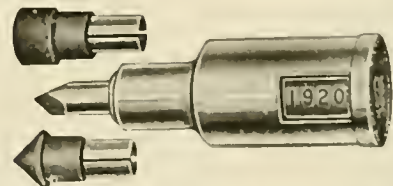
N. G. SMITH, '06, Engr. Contr. Dept.

## TACHOMETERS *Veeder* PRODUCTION AND SPEED COUNTERS



**Products:** CYCLOMETERS FOR BICYCLES AND MOTORCYCLES, TO RECORD DISTANCE TRAVELED; ODOMETERS FOR MOTOR TRUCKS, TO REGISTER MILEAGE; COUNTERS FOR RECORDING THE PRODUCTION OF MACHINES; SPEED COUNTERS FOR COUNTING REVOLUTIONS OF SHAFTS OR FLYWHEELS; TACHOMETERS FOR INDICATING IN REVOLUTIONS - PER - MINUTE THE SPEED OF MOTORS, PRIME MOVERS, GENERATORS OR ANY REVOLVING PART. ALSO FINE DIE CASTINGS REQUIRING ACCURACY AND UNIFORMITY OF SIZE.

Write for copy of the  
Veeder Counter booklet



The No. 21 SPEED COUNTER shown above registers number of revolutions (per minute) of a motor, engine, dynamo, line shafting, machine spindle or any revolving part. The point is held against the end of the revolving shaft; the instrument pressed lightly when count is commenced; pressure released when the timing is over. Push-clutch starts or stops recording mechanism instantly, giving exact R. P. M. readings without use of stop-watch. Price \$3.50.

### THE VEEDER MFG. COMPANY

20 Sargeant Street, Hartford, Conn.

C. H. VEEDER, '86  
President



ROOSEVELT  
New York, N. Y.



MOUNT ROYAL  
Montreal, Can.



RADISSON  
Minneapolis, Minn.



SENECA  
Rochester, N. Y.



BLACKSTONE  
Chicago, Ill.



PERE MARQUETTE  
Peoria, Ill.



WILLARD  
Washington, D. C.



CORONADO  
St. Louis, Mo.



OAKLAND  
Oakland, Calif.



WOLFORD  
Danville, Ill.



NEIL HOUSE  
Columbus, O.



CLAREMONT  
Berkeley, Calif.



URBANA-LINCOLN  
Urbana, Ill.



SCHENLEY  
Pittsburgh, Pa.



CALIFORNIAN  
Fresno, Calif.



SAINT PAUL  
St. Paul, Minn.



MULTNOMAH  
Portland, Ore.



PALACE  
San Francisco, Calif.



SINTON  
Cincinnati, O.

## These hotels are your hotels

*Special features are provided for our Alumni*

Our alumni are urged to use Intercollegiate Alumni Hotels when travelling, and when arranging for luncheons, banquets and get-togethers of various sorts.

You will find at each Intercollegiate Alumni Hotel an index of the resident Alumni of the participating colleges. Think what this means when you are in a strange city and wish to look up a classmate or friend.

You will find at these hotels a current copy of your Alumni publication.

You will also find a spirit of co-operation and a keen desire to see you comfortably housed and adequately provided for. Reservations may be made from one Intercollegiate Alumni Hotel to another as a convenience to you.

Intercollegiate Alumni Hotels are a new and vital force in assisting your Alumni Secretary. He urges you to support them whenever and wherever possible. He will be glad to supply you with an introduction card to the managers of all Intercollegiate Alumni Hotels, if you so request.

## THE PARTICIPATING COLLEGES

*The alumni organizations of the following colleges and universities are participants in the Intercollegiate Alumni Hotel movement:*

Akron	Colorado	Maine	Oregon State	Virginia
Alabama	Columbia	M. I. T.	Penn State	Virginia
Amherst	Cornell	Michigan State	Pennsylvania	Polytechnic Institute
Antioch	Cumberland	Michigan	Princeton	Washington and Lee
Bates	Emory	Mills	Purdue	Washington State
Beloit	Elmira	Minnesota	Radcliffe	Washington (Seattle)
Bowdoin	Georgia	Missouri	Rollins	Washington (St. Louis)
Brown	Georgetown College	Montana	Rutgers	Wellesley
Bryn Mawr	Goucher	Mount Holyoke	Smith	Wesleyan College
Bucknell	Harvard	Nebraska	South Dakota	Wesleyan University
Buffalo	Illinois	New York University	Southern California	Western Reserve
California	Indiana	North Carolina	Stanford	Whitman
Carnegie Institute	Iowa State College	North Dakota	Stevens Institute	Williams
Case School	Kansas	Northwestern	Texas A. and M.	Winthrop
Chicago	Teachers' Coll.	Oberlin	Texas	Wisconsin
College of the	Kansas	Occidental	Tulane	Wittenberg
City of New York	Lake Erie	Ohio State	Union	Wooster
Colgate	Lafayette	Ohio Wesleyan	Vanderbilt	Worcester
Colorado	Lehigh	Oklahoma	Vassar	Polytechnic Institute
School Mines	Louisiana	Oregon	Vermont	Yale





ST JAMES  
San Diego, Calif.



WALDORF-ASTORIA  
New York, N. Y.



ONONDAGA  
Syracuse, N. Y.



WOLVERINE  
Detroit, Mich.



BENJAMIN FRANKLIN  
Philadelphia, Pa.



MUEHLEBACH  
Kansas City, Mo.

# Intercollegiate Alumni Hotels



Every Dot Marks an Intercollegiate Alumni Hotel

Baltimore, Md., *Southern*  
Berkeley, Cal., *Claremont*  
Bethlehem, Pa., *Bethlehem*  
Birmingham, Ala., *Bankhead*  
Boston, Mass., *Copley-Plaza*  
Chicago, Ill., *Blackstone*  
Chicago, Ill., *Windermere*  
Cincinnati, Ohio, *Sinton*  
Columbus, Ohio, *Neil House*  
Danville, Ill., *Wolford*  
Detroit, Mich., *Wolverine*  
Fresno, Cal., *Californian*  
Kansas City, Mo., *Muehlebach*

Lincoln, Nebr., *Lincoln*  
Los Angeles, Calif., *Biltmore*  
Madison, Wis., *Park*  
Minneapolis, Minn., *Radisson*  
Montreal, Canada, *Mount Royal*  
New Orleans, La., *Monteleone*  
New York, N. Y., *Roosevelt*  
New York, N. Y., *Waldorf-Astoria*  
Northampton, Mass., *Northampton*  
Oakland, Cal., *Oakland*  
Peoria, Ill., *Pere Marquette*  
Philadelphia, Pa., *Benjamin Franklin*  
Pittsburgh, Pa., *Schenley*

Portland, Ore., *Multonomah*  
Rochester, N. Y., *Seneca*  
Sacramento, Cal., *Sacramento*  
St. Louis, Mo., *Coronado*  
St. Paul, Minn., *Saint Paul*  
San Diego, Cal., *St. James*  
San Francisco, Cal., *Palace*  
Seattle, Wash., *Olympic*  
Syracuse, N. Y., *Onondaga*  
Toronto, Canada, *King Edward*  
Urbana, Ill., *Urbana-Lincoln*  
Washington, D. C., *Willard*  
Williamsport, Pa., *Lycoming*



BILTMORE  
Los Angeles, Calif.



COPLEY-PLAZA  
Boston, Mass.



LINCOLN  
Lincoln, Neb.



WINDERMERE  
Chicago, Ill.



OLYMPIC  
Seattle, Wash.



SACRAMENTO  
Sacramento, Calif.



PARK  
Madison, Wis.



NORTHAMPTON  
Northampton, Mass.

The Intercollegiate Alumni Hotel movement is sponsored by the Alumni Secretaries and Editors of the participating colleges and directed by

INTERCOLLEGIATE ALUMNI EXTENSION SERVICE, 18 E. 41st St., New York, N.Y.

## DIRECTORS

J. O. BAXENDALE  
Alumni Secretary  
University of Vermont

STEPHEN K. LITTLE  
Princeton Alumni Weekly  
Princeton University

J. L. MORRILL  
Alumni Secretary  
Ohio State University

W. B. SHAW  
Alumni Secretary  
University of Michigan

A. C. BUSCH  
Alumni Secretary  
Rutgers College

JOHN D. McKEE  
Wooster Alumni Bulletin  
Wooster College

W. R. OKESON  
Treasurer of  
Lehigh University

ROBERT SIBLEY  
Alumni Secretary  
University of California

R. W. HARWOOD  
Harvard Alumni Bulletin  
Harvard University

HELEN F. McMILLIN  
Wellesley Alumnae Magazine  
Wellesley College

R. W. SAILOR  
Cornell Alumni News  
Cornell University

FLORENCE H. SNOW  
Alumnae Secretary  
Smith College

E. N. SULLIVAN  
Alumni Secretary  
Penn State College

LEVERING TYSON  
Alumni Federation  
Columbia University

E. T. T. WILLIAMS  
Brown University



KING EDWARD  
Toronto, Can.



BANKHEAD  
Birmingham, Ala.



BETHLEHEM  
Bethlehem, Pa.



LYCOMING  
Williamsport, Pa.



MONTELEONE  
New Orleans, La.



SOUTHERN  
Baltimore, Md.

# THE PHOENIX IRON CO.

Manufacturers of Open Hearth

## STRUCTURAL STEEL SHAPES

Works:  
PHOENIXVILLE, PA.

Main Office:  
PHILADELPHIA, PA.

### OFFICES:

22 S. 15th Street, Philadelphia  
30 Church Street, New York City

110 State St., Boston, Mass.  
City Savings Bank Bldg., Albany, N. Y.

Munsey Building, Washington, D. C.

# THE PHOENIX BRIDGE CO.

Engineers and Builders of

## BRIDGES AND OTHER STRUCTURES OF STEEL

Bridge Works, PHOENIXVILLE, PA.

Established 1790

Capacity, 60,000 Tons per Annum

W. R. HALL, '02, ASST. ENGR., BRIDGE DEPT.  
W. H. ELLIS, '09, ASST. ENGR., ERECTION DEPT.  
W. E. STURGES, '10, RES. ENGR., WASHINGTON OFFICE

## PROFESSIONAL CARDS

New York City 15 Park Row  
**FORSTALL, ROBISON AND LUQUEER**  
Consulting Engineers  
Public Utility Problems  
Alfred E. Forstall, '83  
Robert O. Luqueer

St. Louis, Mo. 211 South Seventh St.  
**ROBERT W. BARRELL, '87**  
President  
St. Louis Sampling & Testing Works, Inc.  
Chemists, Metallurgists and Mining Engineers  
All kinds of chemical analyses, investigations  
of chemical and metallurgical processes,  
examinations of mining properties.  
Over 35 years experience.

Philadelphia 112 N. Broad Street  
**J. W. LEDOUX, '87**  
CONSULTING ENGINEER  
Water Works, Water Power, Reports,  
Designs, Construction, Supervision,  
Valuation, Arbitration, Rate  
Schedules

New York City 30 Church St.  
Cortlandt 0824  
**WM. WIRT MILLS, '87**  
Sales Agent  
Lowe Bros., The Paintmakers  
Paints Varnishes Steel Coatings

New York City 15 Park Row  
**CLARENCE W. HUDSON, '89**  
Consulting Engineer  
Designs, Supervision, Estimates,  
Reports on All Classes of Structures

**ALEXANDER POTTER, '90**  
Consulting Engineer  
Hydraulics, Sanitation, Concrete  
Structures  
50 Church St., Tel.: 5501 Cortlandt  
New York City 8224 Cortlandt

**WILLIAM RUSSELL DAVIS, '92**  
Consulting Engineer  
BRIDGES  
103 Washington Ave.,  
Albany, N. Y. Tel.: Main 3835

Pittsburgh 1st National Bank Bldg.  
**GEORGE S. BATON & CO.**  
Consulting Engineers  
Reports on Coal Properties  
Geo. S. Baton, '94

New York City 51 East 42nd St.  
**VISSCHER & BURLEY**  
Architects  
T. C. Visscher, '99 J. L. Burley, '94

New York City 256 Broadway  
**AMOS H. CLAUDER, C.E., '04**  
Attorney and Counsellor at Law  
Real Estate Law and General Practice

Boston 220 Devonshire St.  
**EDWARD C. BROWN COMPANY**  
Consulting Engineers  
Design of  
Power Plants, Industrial Plants  
E. C. Brown, '04

WRITE FOR  
PROFESSIONAL CARD RATES





# *Mining at Lehigh — and after graduation*

SUCCESS awaits the engineer who can help build up the mining industry to the operating plane it is striving to reach. To reach this plane the mines need men who can take charge of mass production—men who understand management in its broadest sense. As a basis for such an understanding the vital importance of a university training is today clearly recognized

*Cars and Coordination*—Management today requires a knowledge of coordination of all operations—keeping every piece of equipment working to full capacity. Coordination is possible only with cars designed and built to withstand the shock and wear of continuous haulage.

*Cars that stand the pace*—The men who build “Car Foundry” Mine Cars—from the designers to the crew who weld the couplings—know modern mining conditions, the severity of haulage service, and play their part in assuring continuous coal transportation. When your mining company requires new cars or car parts, you may be sure that “Car Foundry” will supply you with the type that stand the pace.

*If you have any questions* on the subject of mine cars and mine haulage, “Car Foundry” Engineers will be glad to answer them. Write the nearest branch or any one of the big “Car Foundry” Plants at Berwick, Pa., Huntington, W. Va., or Terre Haute, Ind.



**American Car and Foundry Company**

New York   St. Louis   Chicago   Pittsburgh  
Berwick, Pa.   Bloomsburg, Pa.   Huntington, W. Va.   Terre Haute, Ind.

## **CAR FOUNDRY**

ELECTRIC RIVET HEATERS	BOLTS, NUTS, RIVETS	CHILLED TREAD WHEELS
BARs, IRON and STEEL	IRON BODY GATE VALVES	PINS AND LINKS
CAR IRONS	CAR TRUCKS	FLANGED PIPE

# BETHLEHEM STEEL COMPANY

---

## *PLANTS AT*

Bethlehem, Lebanon, Steelton, Johnstown, and  
Coatesville, Pa., Sparrows Point, Md.  
Elizabeth, N. J., Wilmington, Del.  
Lackawanna, N. Y.

---

*General Offices:* BETHLEHEM, PA.

---

## *DISTRICT OFFICES:*

New York, Boston, Philadelphia, Baltimore,  
Atlanta, Washington, Pittsburgh, Cleveland, Buffalo,  
Detroit, Cincinnati, Chicago, Seattle, Los Angeles  
St. Louis, San Francisco, Portland

---

E. G. GRACE, '99	<i>President</i>
C. A. BUCK, '87	<i>Vice-President</i>
H. E. LEWIS	<i>Vice-President</i>
QUINCY BENT	<i>Vice-President</i>
G. H. BLAKELEY	<i>Vice-President</i>
E. S. KNISELY	<i>Vice-President</i>
G. W. STRUBLE	<i>Vice-President</i>
J. M. GROSS	<i>Vice-President</i>
R. E. McMATH	<i>Vice-President and Sec'y</i>
W. F. HARTMANN	<i>Treasurer</i>
F. A. SHICK	<i>Comptroller</i>